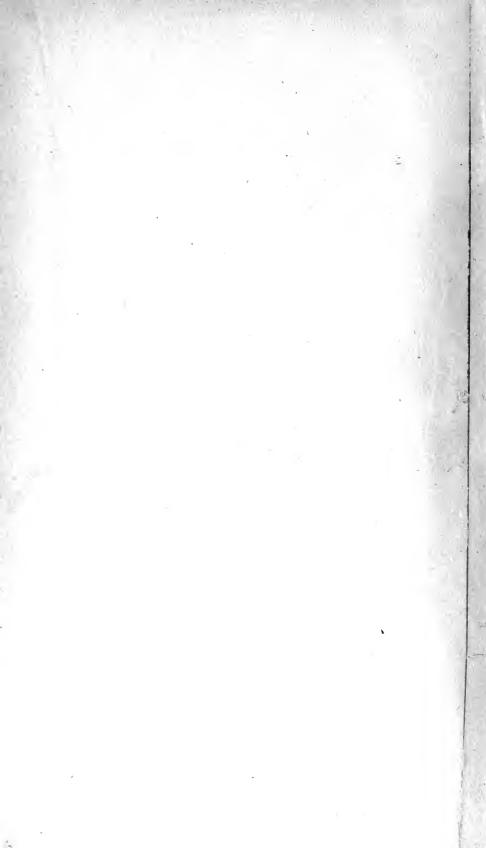
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# THE ROYAL CANADIAN INSTITUTE



# AN ACCOUNT OF THE STRATA

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3172

# NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

S-T.

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS.

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# AN ACCOUNT OF THE STRATA

# NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

# No. 1,631.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

Account of Strata bored through in Lingey Close, near the Lane, Sacriston Royalty. First Hole.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Brought forward				Fs.		
			11 4	13	0	0
		46	4			
Sand and gravel 0 4 0 Grey metal stone, with Loamy sand 0 2 0 post girdles	٠ ٨	0	•			
	. 0	2	3			
	. 0	Ü	3 7 1			
Clay, mixed with sand Strong white post	· U	3	T			
and stones 1 3 11 Blue metal stone	,					
Whinstone (tumblers) 0 2 0 mixed with pos	_	_	_			
Ministone (dimbers)   0 2 0		5	3			
Strong clay 0 1 3 Strong grey post, with		_	_			
White post 0 1 6 water	. 1	0	6			
	. 0	5	10			
with coal 0 0 10						
Ft, In. COAL 0						
COAL 0 6 Grey metal stone 0						
Black stone 0 4 COAL 0	3					
COAL, foul 0 11 Dark metal stone 3	3					
	1,					
Grey metal, mixed Dark metal 0	1					
	3					
with post girdles 3 4 2 COAL 0 3 6	- 0	5	6			
13 0 0	_			9	1	3
Grey metal stone 0 3 0 Grey metal	. 0	0	5		-	
White post 1 5 1 White and grey post		·	·			
Grey metal, with whin with metal parting		0	0			
1 1 1 1		٠	·			
girdles 1 1 10						
Carried forward 3 3 11 13 0 0 Carried forward	2	0	5	22	1	9
Carried forward 3 3 11 13 0 0 Carried forward						

# No. 1,631.—SACRISTON.—CONTINUED.

Brought forward Grey metal stone, with	Fs. 2	Ft. 0	In. 5	Fs. 22	Ft.	In. 3	Brought forward 4 4 2 22 1 3 Strong grey post 2 3 6
post girdles Strong grey post Grey metal, with post	0	1	0				Strong metal and post girdles 0 1 8 Strong white post 0 1 7
girdles	0	4	6				7 4 11
Carried forward	4	4	2	22	1	3	Total <u>30 0 2</u>

# No. 1,632.—SACRISTON.

#### TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49′ 33″, Long. 1° 38′ 3″.

Account of Strata bored through about 200 yards West of the Pit, Sacriston Royalty.

Second Hole.

Approximate surface level 490 feet above sea (Ordnance datum).

	T	-		-	
Soil	Fs. Ft. Ir		Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 18 1 2
Blue and yellow clay	1 0 0				
Loamy sand and water	1 0 0				
	0 3 (				Strong grey metal and metal stone 0 2 9
Loamy sand	0 4 (				1
Loamy clay	2 4 6				1 11 11 11 11
Loamy sand	0 0 8				Strong grey post, with
Brown post	1 5 10				metal partings 1 2 4 Dark grey metal 1 2 9 Strong white post 1 5 2
Grey metal stone	1 9 10	,			Dark grey metal 1 2 9 Strong white post 1 5 2
Light grey post, with	0 0 0	,			
water	0 2 8	•			Grey metal stone, with
Grey metal stone, with	0 0 0				post girdles 3 1 4
post girdles	2 2 (				Grey post 0 0 7
Grey post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$				COAL, mixed
COAL-5/4 Seam	0 3 6			11	with black Ft. In.
Davis stance	0 4 10	. 11	3	11	stone $0$ $3\frac{1}{2}$
Dark stone	0 4 10				COAL 0 9
COAL	0 0 8	5			$ 0 1 0\frac{1}{2}$
Grey metal stone, with	0 0 (				${}$ 9 0 $6\frac{1}{2}$
post girdles	3 3 6	•			Grey metal stone and
Dark metal, with scares	0 1 0				ironstone balls 0 4 10
of coal	0 1 0	,			Ft. In.
Ft. In.					COAL 0 7
COAL 0 4					Grey metal band 0 5
Brass band 0 1					COAL 0 8
COAL 1 4	0 1 0				Grey metal band $0   1\frac{1}{2}$
	0 1 9	٠,	_	•	COAL 0 2
Deale matel . 1 . 1		• 4	5	9	0 1 11½
Dark metal, mixed	0 0 10				Grey metal 1 1 8
with coal	0 0 10				Grey post, with metal
Grey metal stone	0 5 2				partings 5 5 0
COAL—Main Coal	0 3 6			_	In white post 1 1 0
		1	3	6	
					-
Coming 1.6		10	-	_	
Carried for	ward	18	1	<b>2</b>	Total *36 4 2

<sup>\*</sup> Approximate sea level 270 feet below this.

#### No. 1,633.—SACRISTON.

#### TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Third Hole, near the Bridge on the Durham and Nettlesworth road, and near the Gate leading to the Houses, Sacriston Royalty.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft, In.
Soil 0 2 0	Brought forward 10 3 11
Strong clay 0 2 0	Black stone, mixed
Strong clay        0       2       0         Sand and gravel        1       3       6         Grey metal stone        0       2       8	with coal 0 2 6
Grey metal stone 0 2 8	Dark metal, mixed
Strong grey post,	with coal 0 3 4
mixed with whin 0 1 1	COAL 0 0 7
Grey metal stone 2 1 11	Black stone, with foul
Grey post, mixed with	coal 0 0 3
whin 0 3 0	Black stone 0 0 5   Grey metal stone 0 1 0
Grey metal stone, with	
post girdles 4 2 7 COAL 0 3 2	1 2 1
COAL , 0 3 2	
10 3 11	
Carried forward 10 3 11	Total 12 0 0

#### No. 1,634.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

Account of Strata bored through in the Fourth Hole, about 10 yards North of Mr. Darling's House, Sacriston.

Approximate surface level feet above sea (Ordnance datum).

Soil Yellow clay	0	1	0	Fs. Ft. In.	Brought forward 6 0 8 Grey metal stone and
Loamy sand Sand, with water Brown stony clay	1	4 3	6 6	- 33	post girdles, with water 3 0 6 COAL 0 3 0
Tumbling stone, post Strong brown clay Grey post, with metal partings	0	4	8		Black stone 0 0 10 9 5 0
Carried forward		0			Total 9 5 0

#### No. 1,635.—SACRISTON.

#### TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Fifth Hole, being at Charlaw, where the pit is sunk to the Five-Quarter Seam.

Approximate surface level

feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.  Soil 0 1 6 Brown stony clay 3 2 3 Blue metal 1 3 5 Grey post 0 0 7 Blue metal 1 1 3	Brought forward 9 5 6 Grey metal 0 1 6 COAL-5/4 Seam 0 3 4 Dark grey metal, mixed with coal 0 0 6
Grey post 3 2 6  Carried forward 9 5 6	Total 10 4 10

#### No. 1,636.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Sixth Hole, Sacriston Colliery. 1839. Approximate surface level feet above sea (Ordnance datum).

COAL

Fs. Ft. In. Fs. Ft. In. 15 1 7 Fs. Ft. In. Fs. Ft. In. 2 1 3 Soil and loose stones 1 Brought forward Post ... 0 5 0 Dark stone ... COAL Ft. In. COAL 0 6 Grey metal stone, with strong post girdles Dark metal, with scares Thill ... 1 2 of coal Ft. In. COAL 0 4 Brass band 0 1

15 1 7

COAL		0 5						
			0	2	1			
Thill			0	2	0			
Blue metal			0	0	8			
Ironstone			0	1	0			
Blue metal			0	1	5			
Whin			0	ĩ	0			
Grey metal			4	0	0			
Grey met	al,	with						
girdles			1	3	4			
Post			1	2	0			
Post, mixed	with	whin	0	4	6			
Grey metal			$egin{matrix} 0 \\ 2 \\ \end{bmatrix}$	3	10			
Post			2	0	0			
COAL-5/	4 Sea	ım	0	3	6			
						15	1	7

Carried forward

Dark metal, mixed with coal ... 0 10 Grey metal stone COAL-Main Coal Seam 3

1

Total 21 4 10

4 10

5 9

1 3

0

3

0 1 9

#### No. 1,637.—SACRISTON.

#### TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Strata bored through in the Seventh Hole, near the New Grove, Sacriston.

Approximate surface level feet above sea (Ordnance datum).

Clay Sand						 	Fs. 4	Ft.	In.	Fs.	Ft.	In.	
						 	0	3	0				
Clay						 	3	1	0				
Sand						 	0	<b>2</b>	0				
Grey	$oldsymbol{L} - oldsymbol{M}_t$					 •••	1	<b>2</b>	Ò				
COA	L-M	ain Co	pal		•••	 	0	3	1				
										9	5	1	
				Total		 				9	5	1	

# No. 1,638.—SACRISTON.

#### TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 45′ 52″, Long. 1° 37′ 36″.

Sinking Account of the Findon Hill Pit, Sacriston Colliery. August 9th, 1865.

Approximate surface level 556 feet above sea (Ordnance datum).

Strong clay, mixed with soil Sand and gravel (200 gallons of water per hour) Black stone and coal Seggar clay Strong grey metal	3 0 0	4 2 3	0 0 0	s. Ft.	In.	Brought forward 5 4 0 11 5 1  COAL 0 0 8  Soft thill stone 0 5 10  COAL, with stone band 0 1 6  Strong grey metal 0 4 7  White post 6 1 6
White post	1	4	ñ			Main Coal Seam—
COAL, good—Five- Quarter Seam		2		1 5	1	Ft. In.  COAL, good 3 4  Splint 1 5
Seggar clay Strong grey metal, mixed with iron						0 4 9 14 4 10
girdles	4	2	U			
Carried forward	5	4	0 1	1 5	1	Total <u>*26 3 11</u>

<sup>\*</sup> Approximate sea level 396 feet below this.

## No. 1,639.—ST. ANTHONY'S.

#### TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of a Boring in the Farewell Pit, at St. Anthony's Colliery. August 11th, 1769.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the scaffold,	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 7 3 6 36 0 0
				19	3	0	Black stone, mixed
				14	U	U	with whin 0 1 0
Sunk further :-	^	4	^				
Box			0				Grey metal and metal
Grey girdly stone		0					stone, with girdles
COAL	0	0	9	_		_	and water 5 2 0
				2	4	9	and water 5 2 0 Strong white post 1 0 0 Black grey metal 0 2 6
Grey metal and girdles	4	0	0				Black grey metal 0 2 6
Thready post	0	1	6				Grey metal and metal
Blue grey metal stone	1	1 4	3				stone, with post
Bored :-							girdle 3 5 6
Blue grey metal stone	0	1	9				COAL, foul 0 1 8
Grey post, with open	•	_	•				
partings, set away							18 4 <b>2</b>
	7	0	Λ				0
the water	6	ŏ	ň				Grey and blue metal
Grey metal girdles	2 1 2	v	v				and hard girdles 3 3 0 Black metal 2 3 0 Grey metal 0 3 0 Grey girdly stone 1 1 0
Grey post	Ţ	z	Ü				Black metal 2 3 0
Grey post	2	5	0				Grey metal 0 3 0
							Grey girdly stone 1 1 0
70-Fathom Coal—							Strong white post, with
Ft. In.							a mixture of whin
COAL 1 1							in several places 9 4 10
Grey metal 6 0							Blue grey metal and
COAL 0 8							
	1	1	9				
			_	20	4	3	COAL and dust—
Grey metal stone and					~	•	High Main Seam 1 0 0
		3	ß				19 5 10
girdles	. '	J					
Comind forms	-	9	-	20		_	Total 74 4 0
Carried forward	7	3	b	36	0	0	Total 74 4 0

#### No. 1,640.—ST. ANTHONY'S.

#### TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Bored in the Farewell Pit, St. Anthony's Colliery. 1787.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the thill of	Fs.	Ft.	In.	Brought forward		Ft.	In. Fs. 96	Ft.	In.
the Main Coal Below do. the scaffold	76 20		0 <b>0</b>	Box White post	3				
Carried forward	96	3	0	Carried forward	3	4	0 96	3	0

This section (1,640) is in places similar to 1,642.

# No. 1,640.—ST. ANTHONY'S.—CONTINUED.

· D			In. Fs.			Du workt forward			In.			
Brought forward	0	-	0 96 6	-	U	Brought forward 6/4 Seam— Ft. In.	1	4	U.	110	U	9
COAL	U	U	U			6/4 Seam— Ft. In. O 9						
Strong grey metal						Grey metal 0 6						
stone, with post	2	0	c			COAL 2 0						
girdles	í		0			OOAL 2 0	0	3	3			
Strong white post Whin		î	Ö				_	J		7	5	3
Blue metal stone	ĭ		7			Grey metal	0	0	8	•	U	J
Grey metal stone,	-		•			Grey metal stone and	٠	v	o			
with post girdles	2	4	5			whin girdles	1	4	2			
Blue metal stone, with	2	Ŧ	U			Grey metal and girdles	î	3				
whin girdles	1	4	3			-110		U	U			
with girdles		-30	U			5/4 Seam— Ft. In. COAL 0 3						
Bensham Seam-						Grey metal 0 3						
						COAL 2 8						
COAL 2 9						OOAL 2 0	0	3	2			
Band, or brass								٥		3	5	0
lumps 0 2			•			Blue and grey metal	0	4	0	J	J	U
COAL 0 9							_	ō	8			
OOAL 0 9	0	3	8			(1 . 1		ő				
	U	3	13	•	3 11	3373 *4	0	3	0			
Plus mar metal	_	1	6	•	, 11	Blue and grey metal	U	0	U			
Blue grey metal	0 2	0	7				2	0	0			
White post	2	v	•			stone, with girdles White post, mixed with	4	U	U			
White post, mixed with whin	9	0	0			1.1.1	0	4	6			
	$\frac{2}{1}$	9	Ö				ŏ		6			
White post Dark blue metal	7	1				Grey metal stone		4	6			
0011	0		6			White and grey post	1		9			
COAL	U	U	— 5		3 10	Grey metal and girdles  Low Main Seam—	1	U	y			
Communicated	_	0	5	٠	, 10							
Grey metal	0	U	9			COAL, with						
Grey metal stone and	2	2	0			sulphur or Ft. In.						
girdles	4	Z	U			water 6 0						
White post, mixed with		0	<b>H</b>			COAL, with						
whin	3		7			seares of						
Whin	0	1	0			brass 0 6	-	0				
White post, mixed with			0				1	0	6		_	
whin	1					T 11				7	2	6
Dark grey metal stone	0	3	6			In blue grey metal				0	1	2
0 1.76	_		0.11	_		m . 1			_			_
Carried forward	7	2	0 110	<b>)</b> (	9	Total			]	.35	2	- 8

# No. 1,641.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 57′ 40″, Long. 1° 33′ 8″.

Bored in the Nightingale Pit, St. Anthony's Colliery. June 11th, 1787.

Approximate surface level 60 feet above sea (Ordnance datum).

Sunk below the $High$ $\{ \begin{array}{c} \text{Fs. Ft. In. Fs. Ft. In.} \\ 10 & 0 & 0 \\ \hline Main Coal Seam \\ \hline \\ \text{Blue metal} \\ \dots \\ \end{array} \} \begin{array}{c} \text{Fs. Ft. In. Fs. Ft. In.} \\ 10 & 0 & 0 \\ \hline \\ 3 & 0 & 0 \\ \hline \\ \end{array} \} $	Brought forward 15 0 0 Whin 0 0 6 Blue metal 0 1 0
Carried forward 15 0 0	Carried forward 15 1 6

<sup>\*</sup> Approximate sea level (Ordnance datum)

## No. 1,641.—ST. ANTHONY'S.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 15 1 6	Fs. Ft. In. Fs. Ft. In. Brought forward 18 5 1
White post 0 1 0 Blue metal 0 1 0 Strong white post 3 1 0	Blue stone, with grey girdles 2 2 0 COAL—Yard Seam 0 3 0
Brown post, with a little water 0 0 7	Bored further:— 21 4 1
	Blue metal 0 2 0
Carried forward 18 5 1	Total <u>22 0 1</u>

## No. 1,642:—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58′ 5″, Long. 1° 33′ 25″.

Strata sunk through from the surface to the Low Main Coal, in the Restoration Pit, St. Anthony's Colliery, the first Pit opened in that seam.

Approximate surface level 135 feet above sea (Ordnance datum).

Soil 0 2 0		Fs. 64		In.	Fs.	Ft.	In.
(1)	Grey metal stone	2		ő			
· · · · · · · · · · · · · · · · · · ·	Strong white post	6		ő			
COAL	Black metal stone,	U	U	U			
D1	with post girdles	3	0	0			
	COAL—High Main	J	U	U			
0.00	<b>Q</b>	1	^	^			
1 0 1 10	Seam	1	0	0	70	0	^
White and grow post					76	0	0
, 0 = =	Grey metal	4	3	0			
Soft blue metal stone 5 0 0	Post girdles	0	<b>2</b>	0			
COAL 0 0 6	Blue metal	0	4	0			
White post girdles 3 0 0	Girdles	0	1	2			
Whin 1 4 6	Blue metal stone	5	0	0			
Strong white post 3 1 0	Post	0	1	0			
COAL 0 1 0	Blue metal stone	3	0	0			
Soft blue thill 1 5 0	Whin and blue metal	0	-1.	6			
Soft girdles, mixed	Strong white post	3	3	0			
with whin 3 5 0	Brown post, with water	0	0	7			
COAL 0 0 6	Blue metal stone, with						
Blue and black stone 3 4 0	grey girdles	2	2	0			
COAL 0 0 8	COAL-Yard Seam	0	3	0			
Strong white post 1 3 0				_	20	3	3
Grey metal stone 1 4 0	Blue metal stone	3	0	3			
COAL 0 0 8	White post	0	4	Õ			
Grey post, mixed with	COAL	0	0	6			
whin 4 1 0	Strong grey metal,	•	·	•			
Grey girdles 3 1 0	with post girdles	2	0	6			
Blue and black stone 2 2 0	Strong white post		ĭ	ŏ			
COAL 0 1 0	Whin	ō	ī	ŏ			
	Blue metal stone	ĭ	$\dot{\bar{2}}$	7			
****			~				_
Carried forward 64 0 0	Carried forward	8	3	10	96	3	3

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,642.—ST. ANTHONY'S.—CONTINUED.

	Fe	Ft.	In	Fα	Tr't	In	Fs. Ft. In. Fs. Ft. I
Brought forward	8			96			Brought forward 5 2 0 135 1
rey metal stone, with			_				Grey post, with black
post girdles	2	4	5				metal partings 2 0 0
Blue metal stone, with	-						Black metal stone,
whin girdles COAL—Bensham	1	4	3				with whin girdles 1 1 0
Seam	0	1	6				COAL 0 0 10
Deam	_			13	2	0	0 3 1
Blue grey metal	0	<i>-</i> 3	8				Blue or black stone or
White post	2	0	7				thill 0 1 2
White post, mixed							Blue metal stone 0 5 0
with whin	2	0	0				Grey post 0 3 2
White post	1	2	0				White post, mixed
Oark blue metal and coal	0	2	2				with whin, with a
coal Frey metal stone and	U	4	4				parting at 17 inches 0 3 2 Blue metal stone 0 1 10
girdles	2	2	0				Whin 0 0 3
White post, mixed	_	_	·				Blue metal stone 0 0 8
with whin	3	0	7				Whin 0 0 4
Whin	0	1	0				Blue metal stone 0 5 1
White post, mixed	-						Grey post 0 5 3
with whin	1	0	6				Black stone 0 0 10
Dark grey metal stone	0		_6				Whin 0 0 3
COAL-6/4 Seam	0	3	_	14	1	9	Blue stone, with whin
Grey metal and whin	_			14	1	3	girdles 1 2 3 Grev post 1 1 4
girdles	1	4	10				Grey post 1 1 4 Blue metal stone 0 1 3
Grey metal and girdles	ī		ŏ				Grey metal stone, with
White post	0	3					whin girdles 0 5 3
COAL-5/4 Seam	0	3	2				Whin 0 0 6
			_	<b>4</b>	2	0	Grey metal stone, with
Blue and grey metal	0	4					whin girdles 0 5 3
COAL, foul	0		9				Blue metal stone 0 1 6
Blue and grey metal	2	0	0				COAL 0 0 2
White post, mixed with whin	0	4	6				9 2
rey metal	1	0	-				Grey metal stone 0 0 10
rey metal and girdles	ī	ŏ	9				Grey metal stone, very
OAL - Low Main							strong 0 2 0
Seam	1	0	6				Whin 0 0 11
				6	5	0	Grey metal stone 0 5 0
Bored in the Restora-							Whin 0 0 4
tion Pit Back Shaft							Grey post stone 0 0 4
from Low Main Coal Seam, July							Whin 0 1 10
12th, 1797 :							Grey metal stone 1 0 1
rey metal stone, with							Black stone 0 1 5 Sand 0 0 4
whin girdles	1	0	0				Grey post stone 1 3 8
rey post, mixed with	_	_					Blue metal stone 0 0 4
whin	1	4	0				Grey metal stone 0 2 9
lack metal stone	1	0					White post stone 0 3 6
rown post	0	4	0				Whin 0 0 4
Vhin, with metal	,	0	^				<del></del> 5 5 8
partings	1	0	0				
Carried forward	5	2	0.1	 135	1	6	Total 159 1 6
Curred for hald	,	_		-00	-	٠ ١	1001 109 1 (

The above section is in places similar to 1,640.

# No. 1,643.—ST. HELEN'S AUCKLAND.

#### TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 37″.

Account of Borings in Sir P. Musgrave's Estate, near St. Helen's Auckland. First Place about 260 yards West from Broken Backed House and 230 yards North of the Lane. October 27th, 1828.

Approximate surface level 360 feet above sea (Ordnance datum).

							1
G 11		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	9				Brought forward 8 4 6 16 3 4
Blue stony clay	0	3	9				Grey metal stone, in-
Brown and grey metal	0	4	0.				elining to post near
Grey post	0	<b>2</b>	3				bottom, with whin
Grey metal stone	2	1	3				girdles and much
COAL, with water-							water 4 1 8
Four-Feet Coal	0	2	6				Black metal, mixed
1007-1000 Cout				4	2	6	with coal 0 0 5
Common of all		7		-36	4	U	With coat 0 0 5
Grey metal	1	1	0				TT 1 C- 1 TT
Dark grey metal	0	5	0				Yard Coal or Harvey
Strong brown and							Seam— Ft. In.
white post, with							COAL 0 4
water	1	3	6				Grey metal 0 2
Black metal, with							COAL 0 5
scares of coal	0	1	6				Dark grey
Grey metal stone, with	-		-				metal 0 9
post girdles and a							COAL, with
strong feeder of							
, 0	4	4	c				
water		4	6				0 5 5
Black stone		1	3				14 0 0
COAL, with water	0	0	6				
				8	5	3	Grey metal 0 4 0
Dark grey metal	0	1	0				Strong white post with
Grey metal stone, with							metal partings and
strong post girdles							water 1 1 8
and water at 16							W.L.
fathoms, and coal							Grey metal stone 0 3 4
		0	9				3177
pipes							Whin 0 2 10
COAL, with water	0	U	4	_	_	_	Strong white post,
				3	1	7	mixed with whin 0 2 3
Dark grey stone, with							Grey metal stone, with
post girdles and							post girdles 2 0 6
water	0	5	8				Dark grey metal stone,
Strong white post,							with girdles 0 2 9
with water	1	0	0				Strong thready post,
Whin	ō	_	10	•			with whin and water 0 1 8
Strong white post,	٠	·	10				Dark metal, mixed
with water	0	9	٥				Dark metal, mixed
	0	3	8				with foul coal at
Darkish grey metal							bottom 0 0 10
stone	1	4	6				COAL, with water 0 1 5
Grey metal, with iron-							<del></del>
stone girdles		3	0				Dark grey and black
Dark grey metal stone	1	1	0				metal 0 2 3
Grey metal stone, with							Grey metal and metal
post girdles and							stone, with whin
water	1	3	0				girdles and water 2 0 5
Whin	0	_	10				gridies and water 2 0 9
	U	U	10				
Carried forward	8	4	6	16	3	4	Carried forward 2 2 8 37 1 4

# No. 1,643.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward				Fs. 37		In. 4	Brought forward	Fs. 0	Ft. 2		Fs. 58	Ft.	In. 5
COAL	0	0	5	-	_	-	Strong white post, (	-			90	U	J
Grey metal	0	2	0				mixed with whin -	1	3	7			
COAL	0	0	6				and whin girdles	0	4	4			•
				2	5	7	Grey metal stone, with						
Grev metal stone, with							thin post girdles	2	^O	٠.			
whin girdles and							COAL		ő				
water	4	5	1				30AL	-	-0		4	1	e
Dark grey metal stone	0		0				Grey metal stone, with				-30	-30	U
Grey metal stone, with					•		some black scares	0	5	0			
post and whin gir-							White post	ő		ő			
dles	3	5	9				Grey metal stone	ŏ		5			
Strong white post,							White and grey post	U	-	U			
mixed with whin							and whin girdles	1	3	8			
and black scares	0	1	6				Grey metal stone, with	-	•	0			
Grey metal stone,							post girdles near the						
with post and whin							bottom	2	3	0			
girdles	1	3	0				Grey metal stone (me-	_	U	٠			
Strong white post							tal last 6 inches)	0	2	0			
Grey metal		0					tar last o menes)	U	-	·			
COAL	0	1	3				Main Coal or Brock-						
				12	0	5	well Seam-						
Grev metal	0	1	9				Ft. In.						
Dark grey metal stone,							COAL 0 11						
with girdles	0	3	11				COAL, foul 0 2						
Strong white post,							COAL, very						
with metal partings	2	3	0				strong from						
Strong white post,							16 inches 4 10						
mixed with whin	2	2	0					0	5	11			
COAL	0	0	5								7	0	0
				5	5	1	Whin	0	0	3			
Darkish grey metal,							Whitish grey metal	0	2	0			
with some scares of							White post	0	1	4,			
coal	0	2	0				-			-	0	3	7
											_		
Carried forward	0	2	0	58	. 0	5	Total				70	2	6
										=			

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,644.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 29″, Long. 1° 41′ 31″.

Account of Second Hole, about 150 yards South-east from First Hole. December 15th, 1828.

Approximate surface level 346 feet above sea (Ordnance datum.)

Soil Sand and water	0	0		Brought forward Loamy clay Stony clay	0	3 10	Ft. In.
Carried forward	0	2	1	Carried forward	3	2 11	

#### No. 1,644.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Tr <sub>a</sub>	Tr4	Tn	Fs. Ft, In.	1	Tea	T74	In.	Eo T	74 1	T
Brought forward				rs. rt, 111.	Brought forward	9	1	6	. s. I		LII.
Soft yellow rambly					Grey metal, with gir-						
post, with water					dles			9			
Whitish brown post	1	3	0		COAL, with water,						
Brown and grey metal					which ran to top	0	2	4			
stone	1	0	0		Darkish metal	0	0	6			
Grey metal stone, with								1	10	1	1
water	2	1	10								
								-			
Carried forward	9	1	6		Total		•••	*1	10	1	1
								-			_

<sup>\*</sup> Approximate sea level 285 feet below this.

## No. 1,645.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 29″, Long. 1° 41′ 30″.

Third Hole, about 156 yards South-east from First Hole.

Approximate surface level 344 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 6 5 1
Brown stony clay, with	Grey metal stone and
whin tumblers 2 2 10	grey metal, with post
Grey metal stone 1 4 0	girdles 2 3 1
White and brown post 0 3 3	COAL, with water 0 2 9
Grey metal stone, with	In grey metal 0 1 2
water 1 4 0	10 0 1
Grey post 0 2 0	
Carried forward 6 5 1	Total <u>*10 0 1</u>

<sup>\*</sup> Approximate sea level 284 feet below this.

#### No. 1,646.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 44″.

Fourth Hole, 145 yards West from First Hole.

Approximate surface level 370 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In Brown stony clay 1 0 11	Brought forward 3 5 5  Grey metal, with gir-
Brown stony clay 1 0 11 White and brown post 2 3 6	dles 0 3 6
Carried forward 3 5 5	Carried forward 4 2 11

# No. 1,646.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward	4	2	11	Fs.	Ft.	In.	Brought forward				Fs. 13		In.
Metal, mixed with coal	0	0	10				Darkish grey metal,						
				4	3	9	with girdles and a scare of coal the last						
Grey metal, with gir-							6 inches	1	4	7			
dles	2		0				Grey metal stone, with	_	_	•			
Grey post, with water	1	5	6				girdles, darkish						
Metal stone, with post	1	^	0				after 1 fathom and						
Gray matal	U .	3	1				water	5	<b>2</b>	6			
Black stone, with water	ŏ	2	3				White post, with beds of metal stone and						
COAL	ŏ	ō	3				water	2	1	a			
girdles Grey metal Black stone, with water COAL				6	2	4.	Grey metal stone	õ	1 5 2 5	9 7			
				٠		-	Strong white post	ŏ	2	ò			
Grey metal stone, with							Dark grey metal	0	5	3			
post girdles	2	2	6				COAL, with a strong						
Dark metal			8				feeder of water,						
COAL, with water	0	0	6				rather tender near middle and rather						
				2	3	8	foul the last 8 in-						
Strong white post,							ches	0	4	6			
mixed with whin in										_	15	0	4
some places and a							Dark grey metal,						
strong feeder of							scared with coal	0	0	8			
water	<b>2</b>	4	2				In grey metal stone,		_	_			
							with post girdles	0	<b>2</b>	0	_	_	_
											0	2	8
Carried forward	2	4	2	13	3	9	Total			*	29	_	

<sup>\*</sup> Approximate sea level 195 feet below this.

# No. 1,647.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 50″.

Fifth Hole, 212 yards West from Fourth Hole. March 3rd, 1829.

Approximate surface level 387 feet above sea (Ordnauce datum).

	Fs. 0 0	0	7	Fs. Ft. In.	Brought forward Gravel, with clay	1	0		Ft	In.
			_					-		
Carried forward	1	0	0		Carried forward	1	3	0		

#### No. 1,647.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward Stony clay Grey metal, with thin			Brought forward Grey metal stone, with whin and white post	Fs. Ft. In. Fs. Ft. In. 8 4 4
girdles	3 2 6		girdles	
		6 1 4	COAL 0 5 Dark metal 0 8 COAL 0 3	
Grey metal	1 2 6			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Dark grey metal COAL	$\begin{array}{ccccc} 0 & 1 & 8 \\ 0 & 0 & 4 \end{array}$	-	Dark metal Grey metal stone, with post girdles	0 0 5 0 5 8
		2 3 0	post grides	1 0 1
Carried for	ward	8 4 4	Total	*12 3 0

<sup>\*</sup> Approximate sea level 312 feet below this.

## No. 1,648.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 40″.

Bored in the Sixth Place at St. Helen's Auckland, about 72 yards West from the First Place and 72 yards East from the Fourth Place.

Approximate surface level 365 feet above sea (Ordnance datum).

						Fs. Ft.	In.	Fs.	Ft. I	In.
Brown soil		•••	•••			 0 1	0			
Brown sandy	v clav					 1 1	5			
Post girdle	ind wa	iter				 0 0	3			
COAL, wit	h wate	er	•••			 0 2	10			
·								1	5	6
Whitish gre	y meta	al and	metal s	tone	•••	3 4				
Grey post	•••		•••	•••	•••	 0 2	6			
Grey metal			`	•••	•••	 2 4	8			
								6	5	8
			Total			 	_	*8	5	2

<sup>\*</sup> Approximate sea level 312 feet below this.

# No. 1,649.—ST. HELEN'S AUCKLAND.

#### TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Bored at St. Helen's Auckland, in the Ninth Place, near the South-east corner of the Estate. May 9th, 1829.

Approximate surface level 650 feet above sea (Ordnance datum).

Proven soil				Fs.	Ft.	In.	Brought forward					Ft.	
Brown soil Sandy clay	0	1	6				Strong thready white	1	U	4	19	Ð	10
	0	1	ő				post and much wa-						
Rough gravel Sand and gravel, with	U	1	U				ter in several places						
water	0	0	9				which rose to top	1	4	6			
Soft blue leafy clay	2	0	ő				Grey metal stone, with	•	-	U			
Rough sand and water	0		ő				ironstone girdles	0	5	0			
01 1	0		6				Strong white post,	U	J	0			
D. 1 1	ő	0	6				with whin girdles						
Strong blue stony clay	0	5	5				and water	5	2	0			
Soft brown post, with	U	J	J				Light grey metal stone	0	5	6			
white scares	1	0	0					U	J	U			
	1	U	U				COAL, with						
Brown post, with	Ω	1	0										
scares of coal	0						water 2 5						
COAL	0	0	8	5	5	4							
Char assured motel 1				5	5	4	and brassy 0 2	0	0	-			
Grey scared metal and								0	2	7	10	1	0
metal stone, with		4					Community with most				10	1	9
post girdles	2	4	2				Grey metal, with post	-	4				
White post, with water	0	2	0				girdles	1	4	3			
Strong grey metal							White thready post,						
stone, with post	_	_	_				with hard girdles						
girdles	0		0				and much water						
White and brown post	0	3	0				which rose to the	_	_	_			
Grey metal stone, with		_					top	1	1	8			
post girdles	4	5	7				Grey metal stone, with	_		_			
COAL, with Ft. In.							strong post girdles	3	4	6			
water 2 7							Strong white post,						
COAL, hard							with whin girdles						
and brassy 0 2							and water	0	4	$^{2}$			
	0	2	9				Grey metal, darkish						
				9	4	6	after the first 3						
Grey metal	0	0	3				yards, with post and						
Strong grey post, with							whin girdles	7	3	10			
water	0	<b>2</b>	0				Strong white thready						
Grey metal stone, with							post, with whin gir-						
post girdles	1	1	0				dles and water	0	5	0			
Black grey metal							Dark grey metal	4	5	11			
stone, with post gir-							Black metal	0	<b>2</b>	9			
dles and water, and							COAL, with water	0	0	6			
mixed with coal the											21	<b>2</b>	7
last 6 inches	<b>2</b>	1	6				Grey metal	0	2	0			
Soft grey metal	0	3	0				Metal stone, with post						
COAL, foul	0	0	3				girdles	0	5	6			
,			_	4	2	0	Black grey metal	0	1	6			
Grey metal and metal							Grey metal stone, with	-	_	-			
stone	1	0	2				dark partings	1	3	10			
							1	_		_			
Carried forward	1	0	2	19	5	10	Carried forward	3	0	10	51	4	2
												_	_

# No. 1,649.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward	Fs.	Ft.	In. 10	Fs. 51	Ft. 4	In. 2	Fs. Ft. In. Fs. Ft. In. Brought forward 0 3 9 55 4 5
Black metal Whin girdle	0	2	9				COAL, with
Black metal and some							water 4 0 COAL, foul 0 2
foul coal COAL, foul in the	U	Т	0				—— 0 4 2
middle, with water	0	0	8	4	0	3	Darkish grey metal
Dark grey metal				Ī		-	stone 0 2 0
Whin Dark grey metal stone							
Carried forward	0	3	9	 55	4	5	Total <u>57 2 4</u>

# No. 1,650.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 19″, Long. 1° 41′ 41″.

Account of Strata passed through in the Engine Pit, at St. Helen's Auckland Colliery. Begun March 24th, 1830.

Approximate surface level 337 feet above sea (Ordnance datum).

0-44	Fs.	Ft.	In.	Fs.			Dunnal of famous	Fs.			Fs.		In.
Outset	^	~	0	3	2	8	Brought forward	4	3	z	16	4	3
Brown gravelly soil	0	5	0				Jointy grey post gir-	^		_			
Sandy gravel	0	5	6				dles, with water	0	1	2			
Loamy clay	0	5	0				Soft grey jointy metal	0	0	9			
Sand	0	1	6				Grey post girdle, jointy						
Blue strong clay	0	3	8				and wet		1	6			
Sand	0	3	0				Soft grey jointy metal		0	6			
Brown strong clay	<b>2</b>	2	0				Grey post girdles, jointy	,					
Blue metal stone	1	<b>2</b>	0				and much water	0	1	6			
COAL	0	1	10				Strong grey metal						
				7	5	6	stone	0	1	10			
-				•	U	U	Soft black stone	0	1	6			
Thill	0	5	2				COAL, with water	0	ō	6			
Grev metal	ŏ	4	$\bar{6}$				,	_			6	0	5
Post girdle	ŏ		1ĭ								•	Ŭ	•
Blue metal	ŏ	2	ō				Soft grey metal	0	2	6			
	1		2				Dun post, mixed with	·		U			
White post	7	0					whin	0	0	6			
Soft metal parting	0						Dark grey metal	Ö	3	9			
Grey metal	U	Э	10					U	9	g			
Grey metal, with balls							Strong post girdle and water	0	0				
of ironstone, 1 inch		_	_				0	0	0	4			
and 2 inches thick	0		6				Grey meta			3			
COAL	0	0	6				Post girdle	0	0	4			
				5	2	1	Strong grey metal	0	0	5			
	_	_	_	·	-	-	Post girdles, with						
Thill	0	1	8				partings	0	0	11			
Strong grey metal stone	4	1	6				Grey metal	0	2	4			
Carried forward	4	3	2	16	4	3	Carried forward	2	0	4	 22	4	

# No. 1,650.—ST. HELEN'S AUCKLAND.—CONTINUED.

Property forward	Fs.	Ft.	In.	Fs.	Ft.		Duonal t fam	Fs.	Ft.	In.	Fs.		
Brought forward		U	4	22	4	8	Brought forward	0	1	0	38	0	10
COAL, strong Ft. In.							Strong grey thill Strong white post	0	5	0 4			
coarse 0 8							Strong white post and	U	J	41			
Black swad or							metal partings	2	Λ	10			
band 0 3							Grey metal	õ	ŏ	5			
COAL, strong							Strong white post and	•	0	0			
coarse 0 4							metal partings	1	0	10			
	0	1	3				Grey post and water	ō	ĭ				
	U	1	3				Strong white post and		_	•			
				2	1	7	metal partings	0	2	6			
Strong grey metal	0	2	10				Strong grey post, with						
strong white post and			_				whin	1	0	3			
water	0	0	10				Grey metal	0	1	0			
Strong grey metal	0	3	0				Grey shivery post	1	3	1			
Post girdles, with							Five-Quarter Seam-						
water	0	4	6				Ft. In.						
Strong white post	0	2	6				COAL, good 0 8						
Vhin	0	0	10				Dark stone						
strong white post	0	1	8				band 0 1						
Oark grey metal	0	0	6				COAL, splinty 0 8						
White post	0	1	4				Dark stone						
trong black metal							band 0 1						
stone, with thin			_				COAL, coarse 0 11						
ironstone girdles	1	4	7					0	2	5			
oft jointy grey metal,								U	-	U	_	_	
with large balls of	-		_								8	U	11
ironstone	1	3	6				Dark grey thill	0	3	10			
Dark metal stone, with							Dark grey metal stone,						
balls of ironstone 3 inches thick	1	Λ	11				with balls of iron-						
	ō	ő	2				stone	1	<b>2</b>	10			
OAL		-		7	3	2	Cockleand mussel shell		_	_			
			_	•	0	_	bed	0	0	6			
trong grey thill	0	4	0				Black stone, mixed		_	_			
oft grey metal, with		_	^				with coal and water	0	0	7			
balls of ironstone	1	5	0				Strong grey metal,						
rey post	0	0	6				with a post girdle	0	0	^			
Oun whin	0	U	10				at bottom	0	$\frac{2}{0}$	6			
rey post and balls of	1	1	0				0 111	0	1	5			
ironstone	$\frac{1}{0}$	3	5				COM	0	0	5			
łrey post Black metal	0	1	4				COAL, coarse				3	0	1
Frey metal	ŏ	ī	3				G 0.33			0	Ü	0	-
Black stone	ő	0	4				Grey thill	0	3	8			
	٠	٠	-				Grey metal	1	0	3			
Tard Coal or Harvey							Dark blue metal, with		^				
Seam— Ft. In.							balls of ironstone	3	0	3			
COAL, top 0 4							Black stone, with balls	Λ	4	4			
Black danty							of ironstone	0	4	4			
parting 0 0							Strong grey metal {	2	0	8			*
COAL, good 3 0							and ironstone (	0	1	8			
Black danty							White post and black	0		^			
swad 0 0							scares of coal	2	2	0			
COAL, bot-					,		Blue metal stone	0	0	8			
tom, tender $0  ext{ } 4\frac{1}{2}$		0	0				White post and me-	4	0	0			
	0	3	9			_	tal partings	4 0	0	$\frac{2}{3}$			
				5	3	5	COAL and stone	U	0	9			
Carried for				5  38		5  10		14		- 11		_	10

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,650.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward					Ft.		Brought forward 3 3 1 72 3 8
White post and metal partings, with much		0	_				Grey metal, with post girdles and metal
water COAL	4	0	6				partings 2 3 8
				18	2	5	Main Coal or Brock- well Seam
Soft dark metal	0	3	6				Ft. In.
White post, metal partings, and water	9	Λ	11				COAL, top
Grey metal stone and	4	U	TT				(jointy) 0 11 Soft grey me-
post girdles COAL	<b>2</b>	0	5				tal band $0  1  1  1$
COAL	0	0	7		_	_	COAL, good 1 4 COAL, splint 0 2
Soft grey metal	0	1	7	4	5	5	COAL, splint 0 2
Strong grey metal and	·	_	•				(tender) 3 1
post girdles	1	<b>2</b>	11				$057\frac{1}{2}$
Thin post girdle and metal partings	Λ	5	10				Sump $\frac{70 \ 4\frac{1}{2}}{336}$
Grey metal	0	1	3				Sump 3 3 6
Strong white post	0	3	6				
Carried forward	3	3	1	$\frac{-}{72}$	3	8	Total <u>83 1 6½</u>

# No. 1,651.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata passed through in sinking the No. 2 Staple in the Engine Pit, St. Helen's Colliery, commencing at the bottom of the Brockwell Seam. November, 1858.

Approximate surface level feet above sea (Ordnance datum).

Strong grey thill 0 0 11 White post 1 5 1 Blue metal 0 5 7	Brought forward 11 1 8  Blue metal, with iron bands 1 0 0
Grey metal stone, with post girdles 4 2 4 Whin stone 1 1 8 Grey metal, with post	$ \begin{array}{ccc} \text{COAL} & & \text{Ft. In.} \\ & \text{O} & 1_{\frac{1}{2}} \\ \text{Black band and} \\ & coal & \text{inter-} \end{array} $
girdles 1 5 0 Black stone 0 0 3 Seggar clay 0 4 10	mixed 1 0 COAL 1 0½ 0 2 2 2 12 3 10
Carried forward 11 1 8	Carried forward 12 3 10

# No. 1,651.—ST. HELEN'S AUCKLAND.—CONTINUED.

			Fs.	Ft.	In.			In.							Fs.		
Brougl	at for	ward				12	3	10		Brought for	vard	4	2	2	12	3	10
Band			0	0	2				- 1	Hard grey post		1	0	0			
Blue metal			2	1	0					COAL		0	1	5			
Hard blue	stone		0	1	0							_		_	5	3	7
Post			0	3	0					Hard blue stone		<b>2</b>	4	3			
Iron band			0	0	3					Seggar clay		0	3	0			
Post			0	3	3					Hard grey post		1	0	0			
Iron band			0	0	2				-						4	1	3
Post			0	5	3												
Band			0	0	1												
																-	
Carrie	l forv	vard	4	2	2	12	3	10		Total				_	22	2	_8
														-			

# No. 1,652.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 31′ 29", Long. 1° 41′ 56".

Strata sunk through in the Emma Pit, St. Helen's Colliery. October, 1831.

Approximate surface level 365 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brown soil	0	0	8				Brought forward 6 5 6 11 1 1
Brown clay	0	5	0				COAL 0 0.2
Sand	0	0	<b>2</b>				Thill 0 4 0
Brown broken post	1	0	3				Grey post 0 5 5
Grey metal stone	0		6				Whin, 0 0 6
Black stone, with clay	0	1	0				Strong grey metal,
Grey metal stone	2	1	5				with ironstone 0 1 11
Grey post, with metal							Grey metal post, with
partings and whin	1	5	5				metal partings 0 5 6
Grey metal		3					Black stone 0 0 2
Black stone	ŏ	ĭ					Strong grey post, with
COAL	_	_	6				water 1 0 9
			_	7	5	6	Strong grey metal 2 0 2
Strong grov motal				•	U	U	Strong grey post 0 1 2
Strong grey metal	1	1	9				Black stone 0 1 6
	1	1	4				
White post, with metal	Δ	=	0				
partings	0	5 5	0				Yard Coal or Harvey
Grey metal stone		ə	1				Seam-
COAL	0	T	8			-	COAL, top,
				3	T	7	coarse and Ft. In.
Grey metal, with iron-							splinty 0 4
stone balls	0	4	6				Danty part-
Strong white post and							ing.
water	0	5	5				COAL, good 3 0
Whin	0	1	3				Black swad 0 0½
White post	0	4					COAL, bot-
Dark grey metal	3	0	3				tom, tender $0$ $4\frac{1}{2}$
Black stone	1	1	11				0 3 9
							14 3 2
Carried forward	6	5	6	11	1	1	Total *25 4 3

<sup>\*</sup> Approximate sea level 211 feet below this.

# No. 1,653.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 28″, Long. 1° 42′ .24″.

An Account of Strata passed through in sinking the Catherine Pit, St. Helen's Colliery.

Commenced March 26th, 1835.

Approximate surface level 390 feet above sea (Ordnance datum).

Brown soil	0	0	In. 11	Fs.	Ft.	In.	Brought forward	Fs. 1	Ft. 5		Fs. 17	Ft. 3	In. 4
Sandy gravel Brown clay	$0 \\ 1$	0	6 8				White post, with shiv- ery partings	4	1	7			
Blue metal, with pieces of ironstone	0	4	7				Shivery post, with coal pipes	0	4	6			
Broken brown post	ŏ	3	2				Ft. In.	·	-	•			
Dark grey metal	0	5	5				COAL 0 6						
COAL Ft. In.							Stone band 0 10 COAL 1 3						
Soft grey metal 0 7							COAL 1 3	0	2	7			
COAL 0 5									_	<u>.</u>	7	2	1
	0	1	6	_			Grey thill	0	5	6			
N				3	4	9	Shivery parting	0	0	1			
Grey metal, with post girdles	1	1	3				Grey thill Dark grey metal	$0 \\ 1$	3	$\frac{2}{11}$			
Strong grey post	0	i	4				Black stone	0	0	7			
Grey metal, with balls	·	_					Strong grey metal	ŏ	ĭ	ó			
of ironstone	2	3	2				COAL	ō	ō	6			
Dark grey metal, with											2	5	9
beds of ironstone	0	7	0				Strong grey thill	0	2	6			
4 or 5 inches thick Strong black stone	2	1	9				COAL	0	0	7	^		,
(plates)	1	0	6				Strong grey thill	0	4	6	0	3	
COAL	õ	ŏ	5				Strong grey metal,	U	7	U			
			_	7	<b>2</b>	5	with ironstone balls	1	1	2			
Strong grey thill	0	1	2				Strong blue metal	3		10			
strong grey metal,	Δ		0				Blue stone	0	3	8			
mixed with post  Jointy grey metal	0	4 5	$\frac{8}{6}$				Strong grey metal, with ironstone gir-						
Black stone, with coal	U	J	U				31	0	1.	8			
parting at bottom	0	1	8				Strong grey metal,	٠	-	0			
Blue metal	1	0	3				with post and whin						
0 1	0	3	5				girdles	3					
000	0	3	9				Strong white post			2			
Frey metal stone Black stone	0		9				COAL	0	2	0	10		
Grey metal stone	0		10				Thill	0	2	0	12	2	(
Yard Coal or Harvey		-					Grey metal, mixed	Ü	~	·			
Seam- Ft. In							with post	0	1	9			
COAL, good 3 0							White post	0	5	9			
tom 1 3							Post girdles, with me-		_				
tom 1 3	0	4	3				tal partings	1	$\frac{3}{2}$	9			
	_			6	2	2	Strong white post Blue metal parting.	1	Z	1			
Grey thill	0	1	0	,	_	~	Grey post	0	0	9			
White post	1	4	2				COAL	Õ	ŏ	5			
Grey metal parting	0	0	3								4	4	6
											-		

#### No. 1,653.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Ψα	TC+	Tn	Tea.	Ft.	In	17- 174 Y. 13- 174 Y.
Brought forward							Fs. Ft. In. Fs. Ft. In. Brought forward 4 5 3 50 0 1
Thill				10	-	·	Grey post girdles, with
White post	1	ã.	6				metal partings 0 2 5
Blue metal parting.	1	-30	U				Grey metal, with post
	Ω	1	G				
Grey post	U	Т	О				and ironstone girdles 3 2 4
Strong grey metal,	0	^	0				76 : C 1 D 7
with post girdles Black stone	z	Û	6				Main Coal or Brock-
Black stone	0	0	3				well Seam—
COAL	0	0	3		_		Ft. In.
				4	3	4	COAL 0 11
Strong grey thill	1	0	8				Band 0 1 COAL 5 0
Black stone	ō	Õ	5				COAL 5 0
Strong grey metal,	•	•	٠				1 0 0
with post girdles	2	3	8				
White post	- Õ	5	6				9 4 0
Whin, with water	ñ	1	ñ				
with water	U		U				
		-					
Carried forward	4	5	3	<b>5</b> 0	0	1	Total *59 4 1

<sup>\*</sup> Approximate sea level 32 feet below this.

# No. 1,654.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 38′ 8″, Long. 1° 41′ 41″.

Account of Boring in St. Helen's Auckland Royalty, about 396 yards South from the Engine Pit. Begun January 17th, 1847; left off February 29th, 1848.

Approximate surface level 320 feet above sea (Ordnance datum).

Stony clay Strong clay Brown and Strong stony clay	3 3 0  1 0 0  1 0 0  2 3 0  1 0 0  0 1 0  2 5 0  1 3 6	Brought forward 2 3 0 14 3 0 Grey metal 0 2 1 COAL 0 5 2 Grey metal stone, with girdles 4 3 6 Brown metal parting 0 0 6 Whin 0 1 0 Brown post 0 3 6 Grey metal, with post girdles 3 0 7 COAL 0 2 4  COAL 0 2 4  9 4 7
Carried forward	2 3 0 14 3 0	Carried forward 27 0 10

#### No. 1,654.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward	Fs.	Ft.	In.		Ft.		Fs. Ft. In, Fs. Ft. In. Brought forward 43 1 2
Grey metal	0	0		21	·	10	Grey metal stone 1 4 4
Grey metal, with post	•	·	_				Strong white post,
girdles	4	3	6				mixed with whin
Dark metal, mixed							near the top 1 1 0
with coal	0	0	6				Grey metal, with thin
Grey metal stone, with			_				girdles 4 5 2 Black stone 0 1 3
post girdles	4	5	õ				Black stone 0 1 3
White post	2	5 2 3	5 3				COAL 0 0 5 Grey metal stone 0 2 0 Grey post 0 3 6
Dark metal		1	3				Grey metal stone 0 2 0
Grey post Whin		1					Grey post 0 3 6
Grey metal, with hard	''	1	U				Grev metal stone
girdles	2	5	4.				Grev post 0 3 6
Ft. In.	_	Ŭ	^				Grey post 0 3 6 Grey metal 0 3 2
COAL 0 8							Black metal 0 0 3
Grey metal band 0 2					-		COAL, brassy the
COAL, slaty 0 11			0				first 2 feet 0 3 10
	0	1	9				13 4 5
	_		_	16	0	4	Into grey metal 0 0 5
0 110		,			_	_	
Carried for	war	1		43	1	2	Total <u>57 0 0</u>

N.B.—The above was a running hole and could not be got any further.

\* Approximate sea level (Ordnance datum).

#### No. 1,655.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ}$  37' 59'', Long.  $1^{\circ}$  41' 41''.

Account of Boring in the Second Hole in St. Helen's, about 280 yards South from the First Hole. July 28th, 1847.

Approximate surface level 330 feet above sea (Ordnance datum).

Soil Sand, with water at bottom Brown sand Loamy sand Leafy clay	$egin{array}{ccc} 0 & 2 \\ 0 & 2 \\ 1 & 1 \\ 1 & 3 \\ \end{array}$	6 0 0	Brought forward 6 3 9 Brown sand 2 1 0 Stony and leafy clay 3 5 0 Into brown post 1 1 0
Carried forward	6 3	9	Total <u>*13 4 9</u>

N.B.—This hole was lost; the pipes closed.

<sup>\*</sup> Approximate sea level 247<sup>1</sup>/<sub>4</sub> feet below this.

#### No. 1,656.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 59″, Long. 1° 41′ 41″.

Account of the Third Hole in St. Helen's, about 4 feet South from the Second Hole that was lost.

Approximate surface level 330 feet above sea (Ordnance datum).

			_			_	
Sail alar the same as	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward 4 2 3 26 3 4
Soil clay, the same as				12	3	9	Grey metal stone 3 2 0
in the second hole				14	3	9	
Brown and grey post,							White post, with me-
set away the water							tal partings 1 2 4
at the bottom	6	1	4				Whin 0 1 10
COAL	0	2	1				White post 2 5 0
Grey metal	2	<b>2</b> 0	6				White post 2 5 0 Grey metal 1 0 4
Black metal		ŏ	6				COAL, tender 0 2 1
	ő		8				13 3 10
		3	3				
Grey metal stone	4	3	3				Dark metal 0 3 6
COAL, tender, with							Grey metal stone 0 4 0 White post 0 2 3
water (supposed							White post 0 2 3
Yard Seam)	0	3	3				Grey metal stone, with
,				13	5	7	post girdles 2 3 0
Black metal	Ω	Λ			•	•	Dark metal, mixed
	U	v	U				with coal 0 0 9
Grey metal stone, with	-						
post girdles	1	3	4				Grey metal 1 0 0
Black stone, with gir-							Metal stone 0 2 4
dles	0	5	6				Into white post 5 4 0
Blue metal	1	5	0				11 1 10
•							
Carried forward	4	2	3	26	3	4	Total *51 3 0
Carried for ward		-				-	01 0 0

N.B.—This hole was lost; the boxes gave way.

#### No. 1,657.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ}$  37′ 51'', Long.  $1^{\circ}$  41' 41''.

Account of Boring in the Fourth Hole in St. Helen's Estate, about 12 yards North from the River Gaunless and 231 yards South from the Second Hole. November 2nd, 1847.

Approximate surface level 320 feet above sea (Ordnance datum).

Sandy soil Gravel, with water Brown sand	0	3 4	0 4	Fs. Ft. In. Brought forward Leafy clay Sand	$\frac{2}{3}$	3 2	2
Carried forward	2	3	0	Carried forward	6	1	2

<sup>\*</sup> Approximate sea level 21 feet below this.

#### No. 1,657.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward Stony clay Sand Stony clay	0 3 0 1 1 4	Brought forward 2 0 10 18 1 0  COAL 0 0 7  Grey metal stone, with post girdles 5 0 1
Brown post, with soft partings COAL, water rose to	7 3 2	first 9 inches 0 3 5 7 4 11
the top  Grey metal, with post	18 1 0	Black metal 0 0 5 Grey metal stone, with post girdles 1 2 4 Into black stone 0 1 4
girdles Black metal		1 4 1
Carried forward	2 0 10 18 1 0	Total <u>*27 4 0</u>

The above is a very clean hole.

# No. 1,658.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ}$  37' 44'', Long.  $1^{\circ}$  41' 41''.

Account of Boring in the Fifth Hole in St. Helen's, about 233 yards South of the Fourth, and on the South side of the Gaunless. Commenced Dec. 7th, 1847; finished Dec. 17th, 1847.

Approximate surface level 330 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.  O 1 0	Brought forward  Fs. Ft. In. Fs. Ft. In. 13 3 7
Brown sandy soil 0 3 0 Gravel, with water 1 1 4 Sand 1 2 4	Grey metal stone, with post girdles 7 3 8 COAL, very soft 0 3 5
Leafy clay 0 2 0 Stony clay 2 1 1 Grey and brown post 7 2 7	Into black metal 8 1 1 0 0 4
COAL 0 2 3	
Carried forward 13 3 7	Total <u>*21 5 0</u>

<sup>\*</sup> Approximate sea level 199 feet below this.

<sup>\*</sup> Approximate sea level 154 feet below this.

#### No. 1,659.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in the St. Helen's Auckland Colliery Royalty, at about 170 yards to the South of the Green Lane, and adjoining the East Boundary, in the year 1857.

Approximate surface level

feet above sea (Ordnance datum).

		Fs	Ft.	Tn.	Fs. Ft	. In	Fs. Ft. In. Fs. Ft In.
Sand and loam							Brought forward 11 4 8
Blue clay, mixed wi	ith						Brown metal 0 2 4
gravel		8	0	4			Grey post 0 2 10
Brown metal		0	5	3			Grey metal 0 5 3
Grey post		0	1	1			Blue metal 3 0 9
Brown metal		0	3	2			COAL, including
Brown metal, wi							splint—Main Coal
post girdles		0	4	4			Šeam 1 1 0
Grey post		0	3	10			<b>17</b> 4 10
Carried forward	d	11	4	8			17 4 10

## No. 1,660.—ST. LAWRENCE.

TOWNSHIP OF ALL SAINTS, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58′ 14″, Long. 1° 34′ 49″.

Section of Strata sunk through at the St. Lawrence or Mushroom Colliery, near Newcastle-on-Tyne. Begun December 3rd, 1832; finished July 23rd, 1833.

Approximate surface level 84 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In	Brought forward	Fs.	Ft.	In.	Fs. 9	Ft.	In.
Clay, mixed with gravel 1 4 0 Blue clay, with sandy	Soft metal stone	_	1	6	v	-	Ü
partings 2 1 0 Sand 0 5 0	-	0		6	4	2	0
Blue clay 0 1 6	Soft thill { -	0	0	6	_		*
Blue clay, with gravel 2 0 0	Blue stone		5				
Sand, mixed with free- stone 2 0 0	COAL	0	0	3	3	3	9
9 2 6	Grey metal Grey metal and post	1	0	0			
•	girdles	1	3	0			_
Carried forward 9 2 6	Carried forward	2	3	0	17	2	3

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,660.—ST. LAWRENCE.—CONTINUED.

	Fs. Ft. I	a. Fs.	Ft. I	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	2 3	17	<b>2</b>	3	Brought forward 52 1 5
Post	1 0 3	3			Grey metal and post
Grev metal	0 5	)			girdles 0 3 0
Post	2 0	)			Blue stone and iron
COAL	0 0	7			girdles 1 3 6
			2	10	CŎAL 0 0 2
		- 6	z .	10	Thill 0 1 4
Grey metal	0 3	)			COAL, mixed with
Post		L			black stone 0 1 4
Grey metal	0 2	)			
Post		)			2 3 4
**** 4		Ď			Constructed 0.1.0
TO I	4 1 (				Grey metal 0 1 0
Post	4 1 (	,			Post, mixed with whin 1 0 0
TT: 1 31 : C					Post 1 1 6
High Main Seam—					COAL 0 0 8
Ft. In,					2 3 2
COAL 5 6					
COAL, bot-					Blue metal and post
tom 1 0					girdles 3 2 0
Black stone 0 8					Black stone 0 1 0
COAL 0 9					Dark blue stone 1 2 0
	1 1 1	1			Post 1 4 0
		- 11	0	0	Grey metal 0 · 3 0
~					Post 1 0 4
Grey metal		)			
Black metal	0 0				Blue stone 1 2 0     COAL — Bensham
Grey metal	1 0	)			0 0 11
Post	2 5	)			Seam 0 2 11
					9 5 3
Metal Coal Seam-					Grev metal 0 5 0
Ft. In.					1 22-5
COAL 0 8					Blue stone and post
Seggar clay 2 0					girdles 0 3 3
COAL 2 2					Post 1 1 0
OOAL 2 2	0 4 1	0			Dark grey post 0 1 6
	0 4 1	U			White post 0 1 0
		- 5	2	2	Blue stone 0 0 6
6					Post 0 1 6
Grey metal, with post		_			
girdles		0			2 1 0
Blue stone	2  2	0			701
Blue stone and post					Blue stone 0 0 7
girdles	0 5	0			Post 0 1 2
Dark blue stone	0 3	0			Grey metal 0 1 4
Black stone		ŏ			Post 6 3 6
0041		7			Blue stone 0 0 6
COAL	0 0	- 4	E	7	COAL 0 0 4
		- 4·	5	1	
Grey metal and post					10 4 4
girdles		0			Blue and grey metal 0 4 2
Black stone	0 0	3			COAL 0 0 2
COAL		4			
***		- 1	0	7	0 4 4
			0	•	Grey thill $0  ext{ 1 }  ext{ 4}  ext{ }  ext{2}$
Grey metal and post					
girdles	2 5	0			Sin Ouguton Som
Post, mixed with whin		0			Six-Quarter Seam—
Blue stone and iron		-			Ft. In.
girdles	1 5	0			COAL 1 9
111 1 4		3			Band $0   0\frac{1}{2}$
COM		-			COAL $2  ext{ } 2\frac{1}{2}$
COAL	0 1	9			0 4 0
		- 6	0	0	$054\frac{1}{2}$
Carried fo	rwand	52	1	5	Carried forward 79 3 2½
Carried 10	inaru	92	т	Э	Carried forward 79 3 $2\frac{1}{2}$

# No. 1,660.—ST. LAWRENCE.—CONTINUED.

T) 140 1	Fs.	Ft.						Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		,		19	ฮ	$2\frac{1}{2}$	Brought forward			10	04	1	$6\frac{1}{2}$
Grey metal and whin	2	1	0				Blue metal stone, with						
girdles Blue stone	1	2	0				hard girdles	1	3	9			
T)1 1 1	0	0	4				Blue metal, with coal	1	,	4			
Black stone	U	U	4				White post with part	1	1	4			
Five-Quarter Seam-							White post, with partings	1	1	11			
Ft. In.							White post	î	1	3			
COAL 1 6							Blue and black stone	1	4	2			
Splint 0 4							Very hard white post	ō	4	$\bar{\tilde{3}}$			
COAL 0 4							Grey metal stone, with	Ů	•	0			
Stone 0 5							post girdles	0	3	5			
COAL 0 5							Black stone	0	0	2			
Stone 0 3							COAL	0	1	4			
COAL 0 1		_									8	3	7
	0	3	$4\frac{1}{2}$		_	0.1		_	_	_	Ü	o	•
G 1 11	_		0	4	U	$8\frac{1}{2}$	Grey metal stone	0	3	9			
Grey and blue metal	0	5	-				White post	0	2	6			
Grey whin girdles	0	1 1	$\frac{0}{6}$				Blue grey metal stone	1	3	8			
Grey metal Black stone	0	1	6				White post	0	4	0			
TO .	0	5	8				White and grey post,	3	1	7			
Grev metal	ő	1	3				with metal partings	0	0	3			
Post, mixed with whin	ő	5	0				COAL	U	U	J			
Blue and grey metal	ŏ	ĭ	ŏ								6	3	9
Post	Õ	4	ŏ				Grey metal stone, very						
Blue stone and iron	•	_	•				soft	0	2	8			
girdles	2	1	3				White post	0	3	3			
Black stone	0	0	6				COAL, foul, and						
Low Main Seam-							black stone	0	0	9			
Ft. In.											1	0	8
COAL 2 7	<u>}</u>						Grey post, with metal						
Band 0 2							partings	<b>2</b>	1	6			
COAL 2 3	_	_	0.1				White post	0	$^{2}$	0			
	0	5	$0^{1}_{2}$			0.1	Grey metal stone and						
			_	7	2	$8\frac{1}{2}$	post girdles	2	3	3			
				91	0	77.1	Strong post	2	2	4			
Bored from the Low				91	U	$7\frac{1}{2}$	COAL, inferior	0	1	2			
Main Seam, 1840:											7	4	3
Bottom coal and thill	0	5	0				Grey metal thill	0	1	2			
Strong white post	3	5	2				White post	0		10			
Blue metal, with iron-	•	•	_				Blue metal stone	ō		10			
stone girdles	1	0	5				White post, with me-						
Grey metal stone, with							tal partings	0	3	8			
post girdles	0	4	3				Grey metal stone, with						
White post, with meta.							post girdles	$^{2}$	0	6			
partings	1	0	1				Strong white post,						
Blue metal, with hard							with partings	1	<b>2</b>	0			
girdles	1	0	0				Brown post, mixed						
Strong white post,							with whin	2	0	6			
mixed with whin	0	5	6				Grey metal stone	1	0	8			
Soft blue metal stone	0	1	11				Post	0	1	6			
Grey metal, with hard	~	~	0				Soft grey thill	0		10			
girdles	2	2	0				Into strong grey post	0	2	1			
Strong white post	0	0	6								8	5	7
Grey metal stone, with	0	-	111										
hard girdles	0		$\frac{11}{2}$										
COAL	0	0		13	0	11							
				10		, 11	-X-			-			
Carried for	war	rd	1	.04	1	61	Total		• • •	)	37	1	41
Callieu Ioi	.,		•		-	-2				_			

# No. 1,661.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

Bored from the Thill of the High Main Seam, in the Crown Pit, Saltwellside, by John Rawling. 1751.

Approximate surface level feet above sea (Ordnance datum).

Boxes	Fs.	Ft.	In.	Fs.	Ft.	In. 6	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 3 11 3 3
COAL and slaty me-				~	_	٠	White post, with metal
tal	0	2	0				partings 1 2 9
Grey metal, with cat-							Grey and blue metal
heads	0	4	6				stone, with whin
White and grey post,							girdles 1 0 0
metal partings, with							A black and blue me-
water near the bot-							tal parting and
tom	1	<b>2</b>	0				water 0 0 6
Blue and grey metal,							Grey and blue metal
girdles, and cat-							stone, with post
heads	1	3	0				girdles 2 1 0
Black and blue slaty							Strong white and grey
metal, girdles, and		_	_				post, with water in
water		0					places 10 5 0
Whin	0	0	6				Grey metal stone 1 0 0
Grey metal stone, with							Grey and black metal 0 2 3
strong girdles and		_	_				COAL 0 1 1
water	3	Э	0				
Black metal, scared	0	0	c				Grey metal 0 3 0
with coal	_		$\frac{6}{3}$				Grey metal stone, with
COAL	U	T	3	9	Ω	9	post girdles 1 0 0 White post 0 5 0
Blue metal	0	0	9	9	U	9	In strong white post 0 3 0
~	0	5	6				2 5 0
Grey metal stone	v	Ü	U				
Carried forward	1	0	3	11	3	3	Total below the High Main 32 3 1

#### No. 1,662.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Bored in Mr. Barras' Land for the use of the Lord of the Manor, for Messrs. Chapmans, by Andrew Wake. 1806.

Approximate surface level feet above sea (Ordnance datum).

Yellow clay	1	1		Brought forward	Fs. 5	Ft. 2	In. 5	Fs.	Ft.	In
Sand. with water Blue clay				Strong stony brown clay ·	4	3	7			
Carried forward	5	2	5	Carried forward	10	0	0			

#### No. 1,662.—SALTWELLSIDE.—Continued.

		Ft. In.	Fs.	Ft.	In.	1 7		Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0 0				Brought forward	6	1	2	31	2	3
Sand and gravel, with						Black stone, the water						
water	0	1 5				goes away	0	3	0			
Rambly brown post	0	5 0				Grey metal	0	1	5			
Fine blue clay, with						Post girdles	0	0	4			
sand band and water	11	1 0				COAL	0	0	9			
Brown post, with coal										7	0	8
pipes	0	4 0				Gray matel	Λ	9	0			
Brown post and water	1	0 0				Grey metal	0	3	0			
Grey post girdles	0	3 0				Grey stone	1	1	-			
COAL	ŏ	0 8				Grey post	0	2	0			
		;	24	3	1	White post	2	0	0			
Grey thill	0	1 9		•	-	Whin	0	2	0			
	ŏ	1 6				White post	0		11			
Strong white post,	U	r o				Black parting	0	0	4			
1.1	0	1 6				White post girdles,						
						with water	0	3	6			
Blue grey metal	0					Whin, with water	0	0	5			
COAL	0	0 6	,	^	<b>~</b>	White post girdles,						
Y 41.*11	_	0 5	1	0	7	with metal partings	0	2	0			
rey thill	0	0 5				Strong whitepost, with						
ost girdles, with me-	_					whin and water	0	5	0			
tal partings	0	1 7				Whin	0	0	5			
rey post, with water	1	3 0				Strong white post	-		_			
rey stone	0	$2  ext{ } 4$				girdles, with metal						
lack stone, with water	0	$0 \cdot 6$				partings and water	0	4	7			
rey stone	0	2 6				White post	ŏ	$\overline{2}$	ó			
rey post, with sul-						White post girdles,	v	~	U			
phur	2	0 0				with metal partings	0	1	6			
Vĥin	0	1 8					U	1	O			
rey post	0	2 4				White post, with whin	Λ	0	4			
Blue stone	0	0 6				and sulphur	0	2	4			
OAL, with sulphur	0	1 9				Blue stone	0	1	8			
,			5	4	7	Grey post, with sulphur	0	<b>2</b>	6			
Snow 4h:11	0	0 9	•	-	•	Grey stone, with sul-		_				
rey thill						phur	0	<b>2</b>	0			
rey stone	0	3 0				Pogumont Somm						
Vhin	0	0 10				Beaumont Seam-						
rey post, with water	0	3 3				COALi41. Ft. In.						
Vhin	0	0 11				COAL, with						
White post, with water	0	0 9				much sul-						
Vhin	0	1 4				phur that						
eddish brown stone	0	0 6				blew up to						
hite post, with water	0	2 0				the surface 2 8						
rey stone	0	0 6				Grey stone,						
irdles	0	0 6				with water 1 4						
rey stone, with water	0	$2\ 10$				COAL 1 8						
Vhin	0	0 6					0	5	8			
Thite post, with water	0	2 0								10	0	10
lue grey stone	0	3 9				4				10	0	10
Vhite post, with water	ŏ	3 0				Grey thill, with much						
lue stone	0	2 0				sulphur that blew						
73 * * * * * * * * * * * * * * * * * * *	0	0 6				up to the surface	0	0	8			
	0	3 9				Blue grey stone	ŏ	2	$\ddot{2}$			
71 * * 1		0 6				, , , , , , , , , , , , , , , , , , ,		_	_	0	2	10
Vhin, with water	0	-								J	_	
Slue stone	0	4 0										
4												
Carried forward	6	1 2 3	21	2	3	Total				49	0	7
Carried 101 ward	U	1 2 6	) <u>L</u>	4	o	1			=		Ť	Ė

Beaumont Seam. found in Norwood at the depth of 37 fms. 2 ft. 4 in., the same seam which is called Harvey's Main Coal or Whickham Stone Coal.

Note.—" Sulphur," as used in this section and the next, means gas.

# No. 1,663.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

Bored in the Sinking Pit at Saltwellside, near Garden, from the Low Main Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fe	E4	In.	Fe	Ft	In.	Fs. Ft. In. Fs. Ft. 1:
Sunk	0		9	10.			Brought forward 0 1 6 8 3
Box	ŏ		9				Grey metal, with post
Blue metal	0	3	0				girdles and water or
Strong white post	~	0	0				sulphur 6 0 3
Blue metal	_	0	10				Strong white post,
Grev metal		4	6				with mixture of
Coal pipe	_	0	3				whin girdles and
Dark grey metal	0	4	9				scamy partings, and
Grey post, with water	1	0	6				with water which
Grey metal	0	$\frac{2}{5}$	0				was salt 8 5 0
White post	0	5	3				Grey metal stone 0 5 9
Grey metal	0	2	6				Strong white post 0 3 0
Grey post	0	5	6				Beaumont Seam—
Black stone	_	1	0				Ft. In.
COAL	0	3.	5				COAL 2 1
				8	3	0	Grey metal
Blue metal, scared							band 1 0
with coal	0	1	6				COAL 0 11
							0 4 0
							<del></del>
Carried forward	0	1	6	8	3	0	Total below the Low Main 25 4

#### No. 1,664.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of Boring 45 yards Dip of the Water Level, near the West Boundary End.

Approximate surface level feet above sea (Ordnance datum).

Clay Fs. Ft. In Fs. Ft. In. Plate 0 1 0  COAL, foul 0 6 COAL, good 1 0	Brought forward 1 4 10 2 0 6 White grey post 0 5 0 Soft brown freestone 0 2 0 White freestone 3 4 9 Plate 0 1 3 COAL 0 4 2
Hard stone post 0 0 4 Grey beds 0 0 6  Carried forward 1 4 10 2 0 6	Total 9 4 6

#### No. 1,665.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Boring 70 yards Dip of the Water Level West End, at Saltwellside.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In, F	s. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay		1				Brought forward 4 1 4
White freestone		0	2	-9		Ironstone 0 0 2
Grey beds		0	1	1	( • )	Plate 0 0 7
Soft parting		0	0	2		Ft. In.
White stone post		1	3	11		COAL, foul 0 5
Grey beds		0	1	6		COAL, good 1 0
White beds		-0	0	9		0 1 5
Grey beds		0		8		4 3 6
(1 . 10	,					m + 1
Carried forwa	ırd	4	1	4		Total <u>4 3 6</u>

### No. 1,666.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Boring 90 yards Dip of the Water Level West End.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay							1	4	6				
Plate, with i	ronsto	ne in it					1	1	6				
COAL							0	0	1*				
White stone							Õ	3	6				
Grey beds							ŏ	-	7				
COAL, good	1		• • •		• • •		ñ	0	3*				
OUAL, good	u	•••	• • •	•••	• • •	• • •	U	U	9	0		-	
										Э	46	5	
												_	
		,		Total						3	4	5	

<sup>\*</sup> Found in New Pit.

#### No. 1,667.—SALTWICK.

#### TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. , Long.

Boring at Saltwick, about 60 yards to the Outburst of Coal, near the Town. July 11th, 1763.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown classifier Strong dun stone, Blue and grey me White post	mixed	with wh	 lumps 	•••	-	4 1 5 5	$\begin{array}{c} 0 \\ 6 \\ 6 \\ \end{array}$	Fs.	Ft.	In.	
In white metal	•••	Total	 		0		0	6	0	6	

#### No. 1,668.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. 55° 7′ 3″, Long. 1° 43′ 45″.

Another Boring at Saltwick, on the Moor North from the Town, about 430 yards South from the Herd's House. September, 1763.

Approximate surface level 304 feet above sea (Ordnance datum).

Soil and stony clay 1 0 0 Channel and sand, with water 0 1 6	Brought forward 2 4 0 8 2 1 Black grey metal stone, scared with coal at
Stony clay 3 4 6 Brown post, with wa-	bottom 0 2 6
ter which rose to the top 3 0 0	COAL, with brassy scare
Blue scamy metal 0 1 8  COAL 0 0 5	bands 0 9 Black grey metal 0 5
White and grey metal 1 1 0 White and grey post,	tal 0 5 COAL 0 2 0 1 4
with a soft sandy parting and water 1 3 0	3 1 10
Carried forward 2 4 0 8 2 1	Carried forward 11 3 11

### No. 1,668.—SALTWICK.—CONTINUED.

Brought forward White and grey post, with water near the top, and black scares	Brought forward Bored further, Sept.  19th:— White, grey, and green
near the bottom 2 5 0	
Blue grey metal stone $ \begin{cases} 2 & 5 & 1 \\ \hline 0 & 0 & 11 \end{cases} $ Grey and white post 0 3 9	post 1 1 0 Black grey metal stone 1 0 6 White and grey post girdles and metal
Blue metal stone, with	partings 1 5 0
grey post girdles 3 4 6 Whin 0 0 9	partings 1 5 0 Grey metal stone 0 1 6 Grey, green, and brown
In white, grey, and	scamy metal 0 1 0
green post 0 2 0	scamy metal 0 1 0 Grey metal stone 0 3 0
10 4 0	Grey post 0 3 6 Black grey scamy
	stone 1 1 9
	6 5 3
Carried forward 22 1 11	Total 29 1 2

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,669.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat.  $55^{\circ}$  7′ 17″, Long.  $1^{\circ}$  43′ 45″.

Account of the Boring about 900 yards North from Saltwick, near Ogle. September 30th, 1825.

Approximate surface level 205 feet above sea (Ordnance datum).

Soil		Ft.		Fs.	Ft.	In.	Brought forward		Ft.				In
Strong brown stony							Grey metal	0	0	8			
clay	0	5	6				Ft. In.						
White and brown post,							COAL 0 4						
with water	3	0	0				Grey metal 0 4						
COAL	0	1	6				COAL, foul 0 2						
				4	1	9		0	0	10			
Grey metal and metal							Grey metal and dark						
stone, with post gir-							metal stone, with						
dles	1	0	0				post girdles COAL, foul	1	0	3			
White and grey post,							COAL, foul	0	0	4			
with metal partings	1	1	3								6	2	4
Brown and white post,							Grey metal White post	0	0	3			
with partings	2	5	0				White post	3	0	8			
1							-			_	_		-
Carried forward	5	0	3	4	1	9	Carried forward	3	0	11	10	4	]
											E		

### No. 1,669.—SALTWICK.—Continued.

			-				
Brought forward					Ft.		Brought forward 1 0 3 28 3 9
Grey metal stone					-30	-	Grov motal and man)
	ð	4	U				Grey metal and me-
Dark metal, scared with coal	0	0	6				thin girdles
Grey metal and metal							White post 0 5 0
stone	1	0	7				White post, mixed
White post, with water	0	4	0				with whin 0 0 10
Grev metal stone	1	4	9				White post 2 4 10
White post, with water Grey metal stone White post	õ	2	8				Grey metal 0 4 0
Grey metal stone, with	·	_	_				Strong grey metal
water	5	3	0				stone, inclining to
Grey whin (got Oct.							post, with water 1 2 0
12th, through on	0	1					post, with water 1 2 0 Grey metal 0 1 2
15th)	U	Т	2				Whin (got Nov. 22nd,
Grey metal and metal stone	1	1	8				through on 25th) 0 0 5 Metal stone, with post
COAL, foul, and me-							girdles 2 3 0
tal stone	0	0	5				girdles 2 3 0 White grey post 0 5 8
tai stone				17	5	8	Grey metal stone, dark
Grey metal stone, with							near the bottom 1 2 0
water		0	3				16 2 6
Carried forward	1	0	3	28	3	9	Total 45 0 3

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,670.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through to the Main Coal Seam, in the Jack Tar Pit, Scremerston Colliery.

Approximate surface level feet above sea (Ordnance datum).

	. ,		,				
0 1 0	Brought forward	Fs.	Ft.				
0 0 0		1	1		11	9	
		•	-				
7 4 0		0	5	1			
1  1  0	COAL	0	0	2			
$2 \ 2 \ 0$					2	0	
0 0 6	Soft grey freestone	0	3	3			
			2	4			
		_					
		1	1	0			
0 0 0							
		Δ	1	0			
	district)		1		Q	4.	
	Grey metal	0	4.	4	G	T	
0 1 8	Grey metal	0	3	0			
2 3 2							
-							
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward   White freestone   Blue metal, mixed with   freestone bands   COAL	Brought forward   White freestone   1   Blue metal, mixed with   Freestone bands   0   COAL     0	Brought forward   White freestone   1   1	Brought forward   White freestone   1   1   4	Brought forward   11   4	Brought forward   11 3   3   3   10   3   10   10   4   8   11   1   0   2   2   2   0   0   0   6   0   0   6   0   0   6   0   0

# No. 1,670.—SCREMERSTON.—CONTINUED.

Brought forward		Ft. In 3		Ft.	In. 6	Brought forward 3 4 8 73 3 10
Freestone, mixed with				_		Hard dark blue metal 3 2 8
tills	5	5 (	)			COAL 0 0 1
Soft white freestone		0 0				7 1 5
(quarry in it, on sea-						Black metal 0 0 2½
	12	5 6	:			Hard grey freestone 1 1 8
coast)		1 5				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
COAL-Robie's Coat	U	1 6		. 3	5	
Black metal, mixed			- 44	. 0	U	
	3	0 0				Dark blue metal, with
with freestone bands		0 9				half-inch ironstone
Light blue metal	_	3 10				1
Hard blue metal	Z	9 10				1 2
Hard white freestone						COAL 0 8
beds (Richardson						
Stead's quarry in		0 0				Black dant 0 3
these)	3	0 0				COAL $0 \ 11\frac{1}{2}$
Blue metal	1	0 0				Brown metal $0 8\frac{1}{2}$
Bastard blue metal	1	1 2				COAL 1 1
COAL—Top of Cald-						0 3 8
side Seam	0	0 8		_	_	${}$ 0 5 8 $\frac{1}{2}$
			13	0	5	Soft dark blue metal 0 1 2
Dark brown metal	0	1 4				COAL 0 0 2
Hard freestone		0 11				0 1 4
Blue metal	0	1 9				Soft dark blue metal 0 0 7
Hard white freestone	0	3 (				Hard white freestone 1 0 5
Blue metal	0	1 6	;			Soft dark blue metal 0 1 3
Hard white freestone						Hard grey freestone 0 3 6
band	0	0 8				Dark blue metal 0 4 10
Blue metal	0	5 6	;			COAL, splinty 0 0 3
COAL — Bottom of						2 4 10
Caldside Seam	0	0 3				Hard tills and metal 1 1 4
			2	2	11	COAL 0 0 21/2
Soft light blue metal	1	4 2	,			1 1 6½
Hard freestone band	ō	0 5				Hard dark blue metal 0 2 4
Soft light blue metal	ő	0 7				Ft. In.
Hard brown stone	ŏ	2 2				COAL 0 4
Hard blue metal	ŏ	2 3				Dark blue metal 0 6
Soft blue metal	ŏ	$\frac{1}{2}$ 1				COAL 0 5
Hard flinty girdles	o	1 9				0 1 3
Soft light blue metal	0	3 1				0 3 7
Dark blue metal	1	3 1				Hard tills 0 5 4
Soft blue metal	_	1 9				Limestone 0 0 6
Red freestone	_	2 7				Soft blue metal 0 2 2
C 01 1 2		0 11				Hard freestone 0 0 5
0041	0	0 11				Soft blue metal 0 0 9
COAL	-0	0 2	8	1	0	Hard white freestone 1 4 3
				T	U	Blue metal 0 1 2
Dark grey whin			$\frac{1}{2}$			Hard white freestone 0 3 3
Soft blue metal	2	1 8	-			Dark blue metal 0 5 2
Soft light blue metal			1/2			Ft. In.
Limestone	0	1 2				COAL 0 6
COAL, splinty	0	0 4				Blue metal 0 4
			. 4	5	7	COAL 0 7
Soft light blue metal	0	4 11				- 0 1 5
Hard white freestone	ŏ	3 8				5 0 5
Soft blue metal	ŏ	3 2				Soft dark metal 0 0 9
Black metal and scares	U	0 2	•			Hard white freestone 0 3 6
of coal	0	1 8	2			Dark blue metal 0 1 5
701	0	1 2				COAL 0 0 7
Dark grey freestone	1	$\frac{1}{2}$				- 1 0 3
Dank grey ricestone	1	4 1				103
Carried forward	3	4 8	73	3	10	Carried forward 95 4 0
Control forward	J	ж (	, 10	J	10	Carried for ward 30 4 05

# No. 1,670.—SCREMERSTON.—CONTINUED.

Brought forward	Fs.	Ft.	In. I			In. $0\frac{1}{2}$	Fs. Ft. In. Fs. Ft. In. Brought forward 0 2 10 106 5 0
Soft light blue metal	0	1	7			-	COAL 0 3
Hard grey freestone	0	3	$\frac{3}{2}$				Soft blue metal 0 2
Dark blue metal	0	0	4				COAL 0 3
COAL			·.r	1	0	4	0 0 8
Dark blue metal	1	2	5	•	·	•	0 3 6
Red freestone	ĩ	$\frac{2}{5}$	5				Hard dun metal 0 3 8
White freestone	0	0	7				Ft. In.
Soft dark blue metal	0	3	1				COAL 0 8
Ft. In.							Black metal 0 1
COAL 0 10							COAL 0 3 0 1 0
Soft dark blue							0 4 8
metal 1 1 COAL 0 5	1						Soft blue metal 1 1 0
COAL 0 5	2 0	2	$4\frac{1}{2}$				Hard freestone girdle 0 0 4
				4	1 :	101	Scremerston Main
Dark blue metal	0	4	8			•	Coal— Ft. In.
Dark red freestone	4	0	4				COAL, coarse 0 7
Light grey whin	0	1	0				Limestone 1 2
Dark brown limestone	0	-	8				COAL, top 2 10
Tills and metal	0	3					Grey stone band 0 3
COAL	0	0	2	5	4	9	COAL, ground 1 3 1 0 1
Blue metal and dun		-		o	4	Э	2 1 5
post	0	2	10				Blue metal thill 0 4 2
post							and mount on a
Carried forward	0	2	10 1	06	5	0	Total 111 0 9

#### No. 1,671.—SCREMERSTON.

#### TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Section of Strata sunk and bored through between the Scremerston Main Coal and Bulman and Cowper-Eye Seams, in No. 16 Pit, on the Scremerston Main Coal sea level.

Approximate surface level feet above sea (Ordnance datum).

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Fs. Ft. In. Fs. Ft. In. Brought forward 0 1 2 33 3 11
Main Coal 32 0 0	Limestone 0 1 3
White metal 0 2 6	Grey tills 0 3 6
Hard bastard freestone 0 1 3	
Strong blue metal 0 2 0	Diamond Coal—
Stony or Hardy Coal—	Ft. In.
Ft. In.	COAL 1 0
COAL 0 11	Fire clay band $0 8\frac{1}{2}$
Band 0 2	COAL 0 111
COAL 1 3	Soft white
Band 1 1	metal $0$ $4\frac{1}{2}$
COAL 0 9	COAL 0 62
0 4 2	Blue metal 1 1
1 3 11	COAL 0 2
Strong blue metal 0 1 0	0 4 91
Soft blue metal 0 0 2	1 4 8
	1 4 02
Carried forward 0 1 2 33 3 11	Carried forward 35 2 71

# No. 1,671.—SCREMERSTON.—CONTINUED.

Daniel Language	Fs.	Ft. In	1. Fs. 35	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 54 1 7\frac{1}{3}
Brought forward	0	2 (		2	12	
Dark blue metal						0011
Grey freestone band	0					
Dark blue metal	0	3 7				
Grey freestone bands	0	3 5				
Strong grey tills	0	3 10	-			Freestone $1  binom{5}{4\frac{1}{2}}$
COAL	0	0 1	$l^{\frac{1}{2}}$		0.1	Limestone $0 \ 1 \ 2^{\frac{1}{2}}$
		~ (		1	82	COAL 0 0 4
Tills	0		$\frac{31}{2}$			$\frac{}{}$ 2 1 6
Limestone	0	1 8				Freestone bands 0 0 10
COAL	0	0 2				Metal $0 \ 3 \ 0\frac{1}{2}$
				4	$4\frac{1}{2}$	COAL $0 \ 0 \ 1\frac{1}{2}$
Soft blue metal	1	0 10	)			0 4 0
G 70.7						Metal $0 \ 1 \ 3\frac{1}{2}$
Cancer, Bulman, or						Freestone 1 4 0
Main Coal—						Freestone bands $0  ext{ } 4  ext{ } 4\frac{1}{2}$
Ft. In.						Metal 0 1 3
COAL 0 5		•				Hard band 0 0 3
Black metal 0 5						Strong blue metal $1   3   0\frac{1}{2}$
COAL, top 1 1						COAL-3/4 Coal 0 3 11
Chalk stone 0 0						
COAL, splint 0 9						Metal 0 1 7
COAL, band 0 3						Bastard freestone $0 2 4\frac{1}{2}$
COAL, ground 2 0						Tills 0 1 11
Black metal 0 3						Tills and band 0 1 9½
Chalk stone 0 1						COAL 0 0 2
COAL, smithy 0 4						1 1 10
	0	5 8	8			Limestone 0 0 10
			- 2	0	6	Freestone band 0 1 8
Black metal	0	0	6			Metal 0 0 10
Soft white metal	0	1 3	3			COAL 0 0 5
Freestone band	0	1 4	4			0 3 9
Blue metal	0	1 (	0			Tills 0 0 9
Limestone	0		3			Freestone band 0 2 0
Grey tills	Ŏ		0			Crackling post 0 0 9½
Freestone	5		6			0 0 101
Freestone	ŏ		ŏ			1
0041	ő		$\ddot{6}$			
COAL			- 7	1	4.	Cooper-Eye Coal—
Limestone	0	2	5	-	•	COAL, top Ft. In.
Y31 1 1	0		3			or splint 1 5
	0		3 <del>1</del>			Band stones 2 1
Freestone bands Metal	0		$3\frac{5}{2}$			COAL,ground1 4
COAL	0		$9^{\overline{2}}$			0 4 10
COAL	U	U	- 2	0	0	1 5 3
Freestone bands	0	2	$\frac{-2}{3\frac{1}{2}}$	U	J	Metal 0 3 7
	0	5	$6^{\frac{5}{2}}$			Limestone 0 1 6
Black metal			0 0			Tills 0 2 0
Freestone	0					Limestone, impure 0 3 0
Blue metal	0		0			Grey and blue metals 0 3 8
Limestone	0		$\frac{3\frac{1}{2}}{2}$			Freestone band 0 1 6
Black metal			3			Blue metal 1 1 4
COAL	0	0	6	^	10	COAL 0 0 3
			- 3	U	10	3 4 10
Limestone	0		$2\frac{1}{2}$			Grey metal 0 3 0
Metal	0	0 1				Limestone 0 2 0
Freestone	0	3	$0\frac{1}{2}$			
Metal	0	1 1	0			Blue metal 0 1 0 Freestone band 0 2 0
Freestone bands	0	0 1	0			
COAL	0	0	6			COAL 0 0 9
			- 1	<b>2</b>	3	1 Z 9
			_	-		
Carried for	rwai	rd	54	1	$7\frac{1}{2}$	Carried forward 73 3 9½
* · · · * * * * · · ·						

# No. 1,671.—SCREMERSTON.—CONTINUED.

Brought forward	Fs. Ft. I	n. Fs. Ft. In. 73 3 9\frac{1}{5}	Fs. Ft. In. Fs. Ft. In. Brought forward 0 5 1 78 5 01
Freestone band	0 4	)	TV day Cont.
		0	Wester Coal— Ft. In.
Grey metal	0 0 10	-	COAL 0 6
Metal			Blue metal 1 6
COAL	0 0		COAL 0 72
		- 1 3 4	Grey metal 0 8
Slaty band	0 4 (		COAL 0 3
Blue and grey metals	0 1 (	)	Black metal 0 8
COAL	0 0 6	3	COAL 0 6
		- 0 5 6	Black metal 0 6
Limestone	0 0 4	ı İ	
Blue, black, and grey			COAL 0 6
	0 4 8	1	0 5 8
***************************************	1 0 0		1 4 0
Freestone			1 4 9
Grey metal			7014.1 1 4 0
Limestone	0 0 6		Blue metal 1 4 0
Metal	0 1 4		Slaty stone 0 3 0
COAL	0 0 8		Limestone 0 1 6
		- 2 1 9	Blue tills 0 0 10
Freestone	0 2 4	,	COAL 0 0 6
COAL	0 0 4		2 3 10
		0 2 8	Z 5 10
Blue metal	0 3 1		
	0 1 6		•
	-		
Grey metal	0 0 6	'	
			m + 1 00 7 F1
Carried forward	0 5 1	78 5 0}	Total $83 \ 1 \ 7\frac{1}{2}$
		- 2	

### No. 1,672.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Account of Strata from the surface to the Main Coal Seam in the Engine Pit, Scremerston Colliery, three miles S.S.E. of Berwick-on-Tweed.

Approximate surface level feet above sea (Ordnance datum).

Sunk through clay and broken stone Box Blue metal Hard band Grey band Hard band	$\begin{array}{c cccc} 0 & 1 & 3\frac{1}{2} & & & White sandstone \\  & 0 & 0 & 0 & 0 & 0 \\  & & & & & & & & & & & & & & & & & & $	rd al 2 3	Ft. 1 4 1 0	8 2	Fs. 5	Ft. 2	In 75
Carried for	5 2 7½	orway	a		1.4	4.	41

# No. 1,672.—SCREMERSTON.—CONTINUED.

	t forward	ł _		In.		Ft. 4		Brought forward Fs. Ft. In. Fs. Ft. Ir. 37 1 10
Blue metal		-		3				Boring from Main
Frey stone				3				Coal towards Can-
Thill or meta		^		0				cer Coal:—
COAL	• • • • • • • • • • • • • • • • • • • •	. 0	1	0				
					1	2	6	Blue metal 1 5 5
Dlue metal		. 0	3	0				Girdle 0 0 5
Blue metal		_		6				Blue metal 0 3 4
		_						Girdle 0 0 6
Blue metal s		-		0				Blue metal parting 0 0 3
Red sandstor				$6\frac{1}{2}$				Post girdle 0 0 11
White post s				4				
	• • • • • • • • • • • • • • • • • • • •		_					Stony Coal—
drey stone				7				Ft. In.
		_		0				COAL 2 3
				$2\frac{1}{2}$				Band 0 6
drey stone				7				COAL 0 10
COAL		. 0	0	4				
		_			7	2	9	0 3 7
~ .		^		0	•	_	,	3 2
	• • • • • • • • • • • • • • • • • • • •	_		8				D)
			-	5				Blue metal 0 1 6
Blue metal				4				Girdle 0 0 4
COAL		. 0	1	<b>2</b>	_	_	_	Parting 0 0 1
					1	1	7	Girdle 0 0 5
Bandy metal		. 0	5	10				Brown metal 0 2 9
Hard band			_	6				
Metal		_		7				Diamond Coal—
White stone			-	11				Ft. In.
		_		6				COAL 0 5
White stone				10				Brown metal 1 5
				10				COAL 0 7
	• • • • • • • • • • • • • • • • • • • •							
	•••			_				0 2 5
Metal	• • • • • • • • • • • • • • • • • • • •			-				1 1
COAL	• • • • • • • • • • • • • • • • • • • •	. 0	1	8	_	1	1	
		_			5	1	1	Brown metal 0 1 9
Metal		. 0	2	3				White freestone 1 1 0
White post		. 1	1	$2\frac{1}{2}$	-			Red freestone 1 1 0
Metal		. 0	0	6	•			White freestone 11 0 5
White post		. 2	1	5				Parting 0 0 3
Metal		_	1	3				White freestone 0 1 0
· 11		^						COAL—Cancer Coal 0 2 0
Metal		_						14 1
COAL				_				14 1
					5	2	$4\frac{1}{2}$	Grey metal 0 0 6
VF / 1					-	_	-2	Limestone 0 3 6
Metal	• • • • • • • • • • • • • • • • • • • •	_						Grey metal 0 4 8
Limestone		. 0	2	0				COAL 0 0 6
Scremerston	Maio							
Coal—								1 3
	Ft. I							Grev metal 0 1 4
COAL, coa		6						
Grey me		c						White freestone 0 3 9
		6						Limestone 0 0 6
COAL, coa								White freestone 0 4 5
Stone		$2\frac{1}{2}$						Limestone 0 3 2
Rough ston								2 1
COAL	4	3						-
		- 1	. 2	2				
		_			1	5	2	
	Carried				37		10	Total 59 5

# No. 1,673.—SCREMERSTON.

#### TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored and sunk in the Pit below the Main Coal Seam at Scremerston Colliery.

December 3rd, 1831.

Approximate surface level feet above sea (Ordnance datum).

To the Main Coal	Fs.	Ft.	In	. Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Brought forward 1 4 9 35 0	-
Seam				30	0	0	Red freestone 1 1 0	·
Main Coal Seam-				00	•	•	White freestone 11 0 5	
Ft. In							Parting 0 0 3	
COAL, good 2 9							White freestone 0 1 0	
Black slate 0 4							COAL 0 2 0	
COAL, ground,								5
coarse 1 0							Grey metal 0 0 6	
	0	4	1				Limestone 0 3 6	
	_			0	4	1	Grey metal 0 4 8	
						_=	COAL 0 0 6	
To thill of Main Coal				30	4	1		2
Sunk below				4		11	Grey metal 0 1 4	-
				-	-		White freestone 0 3 9	
Bored further :-							Limestone 0 0 6	
Brown metal	0	1	5				White freestone 0 4 5	
COAL		ô	7				T · /	
Brown metal		ĭ	9				Limestone 0 3 2	2
White freestone	ĭ	î	ŏ				2 1	2
Carried forward	1	4	9	35	0	0	Total 53 1	9

#### No. 1,674.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

A Section of the Mountain Limestone from about half a mile from Mrs. Johnson's House, near Scremerston Station, near Spittle. March 29th, 1854.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.   COAL	Brought forward 11 0 10  Beddy sandstone and metal 3 0 0  Hard band stone 0 2 0
Carried forward 11 0 10	Carried forward 14 2 10

### No. 1,674.—SCREMERSTON.—CONTINUED.

Brought forward 14
Metal       2   0   0
Limestone          1         1         0         Composition of the control o
Grey freestone          8         4         0         Sandstone and metal 14         0         0           Limestone          4         0         0         Limestone          2         0         0           Limestone           3         0         0         Grey metal and dark sandstone          35         0         0           Beddy sandstone          1         2         0         Beddy metal and beddy sandstone          7         0         0           Beddy metal and sandstone           10         0         0         Beddy freestone and metal          4         3         0           Beddy sandstone           0         5         0         0         Beddy freestone and metal 14         0
Grey freestone          8         4         0         Sandstone and metal 14         0         0           Limestone          4         0         0         Limestone          2         0         0           Limestone           3         0         0         Grey metal and dark sandstone          35         0         0           Beddy sandstone          1         2         0         Beddy metal and beddy sandstone          7         0         0           Beddy metal and sandstone           10         0         0         Beddy freestone and metal          4         3         0           Beddy sandstone           0         5         0         0         Beddy freestone and metal 14         0
Sandstone and blue metal          3         0         0         Grey metal and dark sandstone         3         3         0         0         Beddy metal and dark sandstone          35         0         0         0         Beddy metal and beddy sandstone          35         0
metal          3         0         0         Grey metal and dark sandstone          35         0         0           Dark sandstone          1         2         0         Beddy metal and beddy sandstone          7         0         0           Beddy sandstone          10         0         0         Beddy freestone and metals          4         3         0           Beddy sandstone and metal          5         3         0         Metals and fine clay, alternate with freestone          4         3         0           Limestone          1         2         0         Stone          14         0         0           Limestone, dun         0         2         0         White sandstone          2         2         0           COAL          0         1         0         Beddy metal          0         5         0
metal          3         0         0         Grey metal and dark sandstone          35         0         0           Dark sandstone          1         2         0         Beddy metal and beddy sandstone          7         0         0           Beddy metal and sandstone           7         0         0           Beddy metal and beddy sandstone           7         0         0           Limestone          0         5         0         Beddy freestone and metals          4         3         0           Beddy sandstone           5         3         0         Metals and fine clay, alternate with freestone          alternate with freestone            14         0         0           Limestone
Limestone        0       4       0         Beddy sandstone        1       2       0         Beddy metal and sandstone        3       2       0         Beddy metal and sandstone         7       0       0         Beddy metal and sandstone         0       5       0         Beddy sandstone        0       5       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0
Dark sandstone          1         2         0         Beddy metal and beddy sandstone         7         0         0           Beddy metal and sandstone          10         0
Beddy sandstone        3       2       0       sandstone        7       0       0         Beddy metal and sandstone         10       0       0       0       Beddy freestone and metals         4       3       0         Beddy sandstone and metal         5       3       0       Metals and fine clay, alternate with freestone        14       0       0         Limestone         5       3       0       Limestone        14       0       0         Limestone, dun        0       2       0       White sandstone        2       0         COAL        0       1       0       Beddy metal        6       0       0         Grey thill stone        0       4       0       Dun limestone        0       5       0
Limestone, white     0   5   0
stone        10       0       0       0       Beddy freestone and metals        4       3       0         Beddy sandstone and metal        5       3       0       Metals and fine clay, alternate with freestone        1       2       0       Instance        14       0       0       0       Instance        2       2       0       0       0       Instance        2       2       0
Limestone        0       5       0       metals        4       3       0         Beddy sandstone and metal        5       3       0       Metals and fine clay, alternate with freestone        14       0       0         Limestone        12       0       0       14       0       0         Limestone        2       2       0       0       White sandstone        2       0       0         COAL        0       1       0 </td
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
metal        5       3       0       alternate with free-stone         Limestone, dun        1       2       0       Limestone        14       0       0         Limestone, dun        0       2       0       White sandstone        2       0         COAL        0       1       0       Beddy metal        6       0       0         Grey thill stone        0       4       0       Dun limestone        0       5       0
Limestone        1       2       0       stone        14       0       0         Beddy freestone        5       3       0       Limestone        2       2       0         Limestone, dun        0       2       0       White sandstone        2       0       0         COAL        0       1       0       Beddy metal        6       0       0         Grey thill stone        0       4       0       Dun limestone        0       5       0
Beddy freestone        5       3       0       Limestone        2       2       0         Limestone, dun        0       2       0       White sandstone        2       0       0         COAL         0       1       0
COAL          0         1         0         Beddy metal          6         0         0           Grey thill stone          0         4         0         Dun limestone          0         5         0
COAL          0         1         0         Beddy metal          6         0         0           Grey thill stone          0         4         0         Dun limestone          0         5         0
Grey thill stone 0 4 0 Dun limestone 0 5 0
Blue metal 3 0 0   COAL 0 1 3
Beddy sandstone and
8 2 0
metal 8 3 0
Carried forward 80 5 10 Total 178 1
Carried forward 60 0 10

### No. 1,675.—SEAHAM.

#### TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.

, Long.

Account of Strata bored through upon the Seaham Estate, belonging to the Marquis of Londonderry.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs.	Ft. 1	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 58 3 6 9 0 0
Soil Strong clay	8	5	0	9	0	Ó	Strong brown lime- stone, with thin
Soft marl	1	0		9	U	U	panels and water 0 3 0
Strong brown lime-							Sandstone 1 2 4
stone, with marly parting	8	0	0				Grey metal 1 1 6 Red metal 0 2 5
Strong brown lime- stone, with marly							Strong post, mixed with whin 0 3 2
parting Strong brown lime-	20	0	0	•			Grey metal, with post girdles 0 4 1
stone, with water	14	4	0				63 2 0
Sandy brown lime- stone, with marly							Into dark metal, with post girdles.
parting	14	5	6				
Carried forward	58	3	6	9	0	0	Total 72 2 0
							F

# No. 1,676.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.  $54^{\circ}$  50′ 15″, Long.  $1^{\circ}$  19′ 34″.

Account of a Boring at Seaham Harbour, between the South and North Docks, in the Inner Harbour. October 14th, 1834.

Approximate surface level 10 feet above sea (Ordnance datum).

				Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 32 3 0
Strong brown lime-	<u></u>	5	0	*	Marly limestone, with
					girdles 6 3 0 Marl 4 0 0
Marly limestone Soft marly parting	2	2	0		Marl 4 0 0
Soft marly parting	U	U	ō		Limestone, with marly
Strong metal, with	_				partings 8 0 0
hard girdles	2	3	4		partings 8 0 0 Strong limestone 0 5 0
Soft yellow ochre-like					Death limestone
marl	0	1	6		Rambly limestone,
marl Marl, with blue scares	0	3	<b>2</b>		with partings and
Marl, with white scares					nodules 3 2 0
and hard girdles in					Ductile marl, mixed
different places	7	4	4		with clay and a
Strong gulletty lime-					spring of water 0 1 0
stone	0	5	0		Girdly and noduly
Marly limestone, with					limestone, with gul-
hard girdles and					limestone, with gul- lets 1 0 0
marly partings		1	0		56 2 0
Strong white gulletty	-	_	•		•
limestone, with wa-					
ter and hard girdles	11	3	Ω		
ter and hard gridles		-0			
Carried forward	32	3	0		Total 56 2 0
Carried for ward	02	0	0		

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,677.—SEAHAM.

#### TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.  $54^{\circ}$  50′ 22″, Long.  $1^{\circ}$  21′ 47″.

Section of Strata sunk through in the Union Pit, at Seaham and Seaton Colliery. July 31st, 1844.

Approximate surface level 230 feet above sea (Ordnance datum).

Outset 6 Soil 6	0 3 (		Brought forward Soft marl	9	3	
Brown clay, strong and stony	8 5 (	0	Brown limestone, with strong marly parting	8	0	0
Carried forward	9 3	0	Carried forward	18	3	0

# No. 1,677.—SEAHAM.—CONTINUED.

Fig. Fig. 10, Fig. Fig. Fig. Fig. Fig. Fig. Fig. Fig.	2101 2,0111	
Strong brown lime   19 5 0   0 1 0   8		Fs. Ft. In. Fs. Ft In.
Strong limestone, with water   14 0 0 0		
Strong limestone, with water   1	*	
Water     14   0   0     Limestone, mixed with sand       0   4   0     Strong brown limestone     14   0   0     Sand, with water     1   2   6     Grey metal, mixed with blue       1   2   6     Grey metal, mixed with blue       1   1   6     Grey metal, mixed with blue       1   1   6     Grey metal, mixed with post with post girdles     0   0   3     Grey metal, mixed with post girdles     0   0   3     COAL     0   0   0   3     COAL     0   0   3     Grey metal     5   3   10     Dark grey metal, with post girdles     2   4   1     COAL     0   0   3     Grey metal     5   3   10     Dark grey metal     0   0   3     Grey metal     5   3   10     Dark grey metal     0   0   3     Grey metal     1   1   6     Grey metal     0   0   3     Strong grey post, with girdles     2   3     Grey metal     5   3   10     Dark grey metal     2   4   1     Grey metal     5   3   3     Grey metal     5   3   3     Grey metal     1   1   6     Grey metal     1   1   1     Grey metal     2   4   1     Grey metal     2   3     Grey metal     2   4   1     Grey metal     2   3     Grey metal     3   3   5     Grey metal     0		7) 1
Limestone, mixed with sand		COAL
Sand		
Strong brown linestone		
Stone	244	
Sand, with water 1 2 6 Grey metal, mixed with blue 1 1 2 4  Red metal or sandy post 1 1 6 Strong white post, with whin 0 2 5 Grey metal, mixed with post girdles 0 4 1 Grey metal, with post girdles 0 3 2 Dark metal, with post girdles 0 4 1 Grey metal 0 0 0 0½ Grey metal 0 0 0 1½ COAL 0 0 0 1½ COAL 0 0 0 1 Grey metal 0 0 0 1 Dark grey metal 0 0 0 1 Dark grey metal 0 0 0 1 2 COAL 0 0 0 1 2 Dark grey metal		
Grey metal, mixed with blue	500.00	2
with blue          1         2         4           Red metal or sandy post           1         1         6         69         5         10         1         6         3½         Black stone, mixed with ood          0         0         3½         Black stone, mixed with ood          0         0         3½         Black stone, mixed with ood          0         0         3½         Strong grey post, with         2         1         7         COAL          0         0         3½         Strong write ood         2         1         7         COAL          0         0         3½         Strong write post, with         2         3         1         Strong write post, with write post girdles          2         3         1         Strong write post, with write post girdles          2         3         1         Strong write post, with write wr	,	
Red metal or sandy   post		Grey metal 12 1 3
Red metal or sandy post		COAL 0 0 8
Strong white post, with whin		
Strong white post, with whin 0 2 5   Grey metal, mixed with post girdles 0 4 1   Grey metal, with post girdles 0 0 0 0 3   Grey metal 0 0 0 1		
with whin 0         0         2         5           Grey metal, mixed with post girdles 0         0         3         2           Dark metal, with post girdles 0         0         4         1           Grey metal 0         0         0         0         0           Grey metal 0         0	I and a second	
Grey metal, mixed with post girdles		
with post girdles O a 2 Dark metal, with post girdles         0 4 1 Grey metal         2 4 1 COAL         2 4 1 Strong white post         2 3 2 Strong white post         2 3 3 Strong white post         2		1 - 9 - 1
Dark metal, with post girdles       0		,
Grey metal	Transfer Branch	
Grey metal		aindles 9 9 1
Grey metal 0 0 0 0 3		
Strong white post, with water   1   2   3   3   4   5   5   5   5   5   5   5   5   5		1 0
Dark grey metal, with post girdles		
Dark grey metal, with post girdles	COAL 0 0 3	H 1 0
Dark grey metal, with post girdles	8 3 10	
Post girdles	Dark grey metal, with	
Band		0.0
COAL        0       5         Band        0       1½         COAL        0       1½         COAL        1       4         Band        0       2         COAL        1       2         Grey metal        0       2       4         Grey metal        0       0       2       4         Grey post, with whin girdles and metal partings        0       0       1       2       4       6         Strong grey post, with whin girdles and metal partings        0       0       1       2       4       6       5       3       3       6       6       7       1       2       2 <td></td> <td></td>		
Band 0 1½ COAL 0 8 Band 0 1½ COAL 1 4 Band 0 2 COAL 1 8		
COAL          0         8           Band          0         1           Band          0         2           COAL          1         2           Band          0         2           COAL          1         2         3           Grey metal          0         2         4           Grey post, with whin girdles and metal partings          0         5         1         2         4         6           Strong grey post, with with whin girdles and metal partings          0         0         1         2         1         2         4         6           Strong grey post, mixed with whin         5         3         3         6         6         7         6         7         1         2         1         1         1         2         4         6         6         6         7         1         2         1         8         6         6         0         0         1         2         1         2         1         2         1         2         1         2         1         2	7) 1 0 11	
COAL	0011	25 3 9
Mand   Mand		Strong grey post, with
COAL		
Grey metal 0 2 4  Grey post, with whin girdles and metal partings 0 5 11 .  COAL 0 0 1 1  Dark grey metal 0 1 0 1 0  Grey metal 1 3 4  COAL 0 0 0 3  Dark grey metal 0 1 1 1  COAL 0 0 0 1 1  COAL 0 0 0 1 2  Dark grey metal 0 1 1 2  Dark grey metal 0 0 0 1 1  COAL 0 0 0 1 1  COAL 0 0 0 1 1  COAL 0 0 0 1 1  Strong white post, with water and metal partings 6 0 0  Grey metal 0 0 1 1  COAL 0 0 0 1 2  Dark grey metal 1 0 4  Strong white post, with water and metal partings 6 0 0  Grey metal 0 1 0  Strong white post, with water and metal partings 6 0 0  Grey metal 0 1 0  Strong white post, with water and metal partings 6 0 0  Grey metal 0 1 0  Strong white post, with water 0 1 0  Strong white post, with water 0 2 3  COAL 0 2 3		0011
Grey metal		1 2 11
Strong grey post, mixed with whin girdles and metal partings 0 0 1 1   COAL 0 0 1 0   Dark grey metal 0 1 0 0 1   Dark grey metal 0 0 1 1   COAL 0 0 0 3   Dark grey metal 0 0 1 1   COAL 0 0 0 1 1   Dark grey metal 0 0 1 1   COAL 0 0 0 1   COAL 0 0 1 0   COAL 0 0 2 3   COAL 0 0 2		Ironstone balls 2 4 6
Mixed with whin girdles and metal partings 0 5 11   COAL 0 0 1 1   Dark grey metal 0 1 0 0   Et. III.   COAL 0 0 1 0   Dark grey metal 1 3 4   COAL 0 0 0 3   Dark grey metal 0 1 1 1   COAL 0 0 0 1½   Dark grey metal 1 0 4   Strong white post 2 0 4   Dark grey metal 2 2 3   Black stone, with ironstone girdles 1 0 0   Dark grey metal 2 2 3   Black stone, with ironstone girdles 1 0 0   Dark grey metal 2 2 3   Black stone girdles 1 0 0   Dark grey metal 2 2 3   Black stone girdles 1 0 0   Dark grey metal 2 2 3   Black stone girdles 1 0 0   Dark grey metal 2 2 3   Dark grey metal 2 2 3   Black stone girdles 1 0 0   Dark grey metal 2 2 3   Dark grey		
Grey metal	•	mixed with whin 5 3 3
COAL		Grey metal 0 4 3
COAL        0       0       1         Dark grey metal        0       1       0       4       4         COAL        0       1       0       1       0		Ft. In.
Dark grey metal     0   4   4   4   COAL     0   1   0   0   1   0		
Grey metal        1       3       4       4        0       2       10         COAL        0       0       3       3       4        0       2       10        9       2       10         COAL        0       0       1       1       10 </td <td>Dark grey metal 0 4 4</td> <td></td>	Dark grey metal 0 4 4	
Grey metal 1 3 4   Strong white post, with water and metal partings 6 0 0   Grey metal 0 1 1   Strong white post, with water and metal partings 6 0 0   Grey metal 0 1 0   Strong white post, with water and metal partings 6 0 0   Grey metal 0 1 0   Strong white post, with water and metal partings 6 0 0   Grey metal 0 1 0   Strong white post, with water 3 0 9   COAL 0 2 3   GOAL 0 2 3   Strong white post, with water 3 0 9   GOAL 0 2 3   GOAL 0 2 3   Strong white post, with water 3 0 9   GOAL 0 2 3   GOAL 0 3 0 9   GOAL 0 3 0		
Strong white post, with water and metal partings 6 0 0   Copy metal 0 1 1	2 1 8	0 2 10
COAL          0         0         3           Dark grey metal          0         1         1           COAL          0         0         1½           Dark grey metal          1         0         4           Strong white post, with water and metal partings          6         0         0           Grey metal          0         1         0         1         0         1           Strong white post, with water and metal partings          0         1         0         1         0         1         0         1         0         1         0         1         0	Grey metal 1 3 4	9 2 10
COAL         0       0       1½         Dark grey metal        1       0       4         Strong white post        2       0       4         Dark grey metal        2       2       3         Black stone, with ironstone girdles        1       0       0       2             COAL        0       2       3       0       9         COAL        0       2       3       0       9	COAL 0 0 3	Strong white post,
Dark grey metal        1       0       4         Strong white post        2       0       4         Dark grey metal        2       2       3         Black stone, with ironstone girdles        1       0       0       2       3         COAL         0       2       3		
Strong white post 2       2       0       4         Dark grey metal 2       2       2       3         Black stone, with ironstone girdles 1       0       0       2       3         COAL 0       0       2       3       9         COAL 0       0       2       3       9         4       0		
Dark grey metal        2       2       3         Black stone, with ironstone girdles        1       0       0       2       3         Stone girdles        1       0       0       2       3		
Black stone, with iron- stone girdles 1 0 0 9 4 0		
stone girdles 1 0 0		6041
Carried forward $\begin{bmatrix} 8 & 1 & 8\frac{1}{2} & 84 & 2 & 9 \end{bmatrix}$ Carried forward $\begin{bmatrix} 158 & 5 & 7\frac{1}{2} \end{bmatrix}$	Stone gridles I U U	3 4 0
	Carried forward $8 1 8\frac{1}{2} 84 2 9$	Carried forward 158 5 7½

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,677.—SEAHAM.—CONTINUED.

D	Fs.	Ft.	In. Fs.			Fs. Ft. In. Fs. Ft. In
Brought forward	1	0	$\begin{array}{c} 158 \\ 7 \end{array}$	Э	12	Brought forward 243 2 5
Dark grey metal Dark metal, mixed	1	U	'			Strong grey metal, with post girdles 1 1 10
with water	1	2	0			COAL 0 0 5
trong white post,	-	_	Ü			Grey metal and post
with metal partings	5	1	4			girdles 1 3 5
ark grey metal	2	ī	î			COAL 0 1 2
OAL		Ô	8			
			_ 9	=	0	3 0 10
•				5	8	Grey metal, with post
ey metal	2	1	2			girdles 5 4 7
OAL	0	0	6			COAL—Hutton Seam 0 4 10
			2	1	8	6 3 5
ey metal, with post						Grey metal 0 5 6
girdles	4	2	3			Black stone 0 0 6
DAL		õ				COAL 0 0 9
	•	•		_		
			- 4	z	11	1 0 9
y metal, with post						Strong grey post, with
irdles	16	3	0			metal partings 4 4 10
AL-5/4 Seam	0	3	5			Black metal 0 1 2
			- 17	0	5	Grey metal stone, with
one crew motal			-•	-	-	post girdles 1 1 7
ong grey metal	5	4	0			Black metal 0 1 0
k metal, mixed	U	*	U			COAL 0 0 1
th coal	0	2	0			Strong white post 5 1 7
metal	-	4	5			Black metal, mixed
L	ŏ	ī	ŏ			with coal 1 5 2
	·	_	-	_	_	Dark grey metal,
			<b>–</b> 6	5	5	mixed with coal 1 1 4
metal, with thin						Strong white post 0 1 8 Black metal 0 3 0
rdles	3	5	0			
AL	0	1	2			15 3 5
	_		- 4	0	2	
ong grey metal						269 4 101
stone	4	3	5			200 1102
hite post	2	4	5			
amy black post	0	1	2			
rong grey post, with						Powed through
netal partings	9	0	4			Bored through:—
AL - Main Coal						Strong grey post 8 1 6
leam	1	0	1			Grey metal stone 0 1 0
			- 17	3	5	Strong white post 0 0 6
ong grey and white				_	•	Grey metal 0 3 0
	2	3	1			White post 0 1 0
1 4	0	2	6			Grey metal 0 4 0
y metal, with iron-	U	4	U			White post 0 0 6
one girdles	4	4	11			Grey metal 0 4 0
AL - Maudlin		<b>x</b> .				COAL 0 3 0
eam	0	3	6			11 0 6
			- 8	2	0	In grey metal 1 0 6
y motel with me t			3	4	U	1 0 0
y metal, with post irdles	19	1	9			
-1		1	3			
AI	0	3				•
AL	0	0 1	II			
			- 13	5	2	
Carried for	rwar	d	243	2	$5\frac{1}{2}$	Total 281 5 103
					- 2	

### No. 1,678.—SEAHAM.

#### TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Orduauce Map. Lat.  $54^{\circ}$  50′ 25″, Long.  $1^{\circ}$  21′ 37″.

An Account of Strata sunk through at Seaham Colliery. Broke ground, April 13th, 1849.

Approximate surface level 220 feet above sea (Ordnance datum).

Soil		Ft.		Fs.	Ft.	In.	Brought forward	Fs.			Fs. 90	Ft.	In. 4
Brown clay	_	ŏ					Grey metal, mixed	_	-	•	00	U	-
Blue clay	5	ĭ	ō				with post	1	0	3			
Strong brown lime-	Ü	-	·				0001	ō		3			
, -	4	4	0				COAL	-		J	3	3	6
3/F 1	5	3	2				Soft grow motel	0	1	9	J	U	U
	_		õ				Soft grey metal	U	T	3			
Magnesian limestone							Strong white post,	1	9	0			
Brown limestone		0					with partings	1	3	0			
Yellow limestone		0	0				Blue metal	0	1	5			
Soft clay parting	0	0	4				Black metal		0	8			
Soft yellow limestone,	-	_					Ironstone girdles	0	0	5			
with water	1	2	8				Black metal	0	1	3			
Soft limestone, with	· —	4	0				Grey metal	1	1	11			
hard brown girdles	17	4	10			*	Strong grey metal,						
Brown limestone, with							with balls of whin	0	4	0			
water	. 1	3	2				Strong white post,						
Strong brown lime-							mixed with whin						
stone, with water	4	0	2				and water	4	1	6			
Soft clay parting	0	0	5				Dark grey metal	0	3	<b>2</b>			
Strong brown lime-							COAL	0	0	3			
stone, with water	5	4	5								9	1	4
Strong white and							Dark grey metal	3	2	4			
brown limestone,							Ft. In.	•	_	-			
with partings	8	1	5				COAL 0 6						
Dark brown limestone,	_	_	•				Grey metal 0 15						
with water	4	3	0				COAL 1 112						
White limestone, with	~	•	•				Grey metal 0 2						
black partings	2	1	0										
White limestone, with	_	_	U				COAL $1 \ 8\frac{1}{2}$		4	c			
brown girdles	19	0	5					0	4	6		^	10
Blue limestone, with	12	U	U				Guar motal with most				4	0	TO
metal partings	1	0	2				Grey metal, with post	0		0			
Mild yellow limestone		1	9				girdles	0	4	0			
mild yellow lillestone	U	1		04	Λ	0	Blue metal, with iron-	^	_	_			
Strong doub guer matal	_	-1		84	0	9	stone girdles	0	3	7			
Strong dark grey metal	U	4	0				COAL	0	0	1	_	_	_
Black metal, with	0	0									1	1	8
partings	0	0	2				Dark grey metal	0	3	8			
Strong sandstone, with		_	_				COAL	0	1	1			
a little water	1	0	0							-	0	4	9
Red metal, with part-		_					Dark grey metal	1	<b>2</b>	8			
ings	2	0	0				COAL	0	0	5			
Black metal, with											1	3	1
water	0	3	0				Soft grey metal	0	2	0			
Grey metal	1	4	1				Dark grey metal,						
COAL	0	0	4				mixed with post						
~				5	5	7	girdles	3	2	8			
Strong grey post	0	5	0				Black metal, with						
Dark grey metal, with							ironstone girdles	1	1	6			
ironstone girdles	1	2	0				,						
			_										
Carried forward	<b>2</b>	1	0	90	0	4	Carried forward	5	0	2 1	.10	3	6
													-

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,678.—SEAHAM.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.
Brought forward 5 0 2 110 3 6	Brought forward 190 3 4
Ft. In.	Strong grey metal, with post girdles 5 4 0
Grey metal $0   2\frac{1}{2}$	Black metal, mixed
COAL 2 1	With tout in
Grey metal 0 4½	Dark grey metal 0 4 5 COAL 0 1 2
COAL 0 4 6	6 5 7
5 4 8	Grey metal 2 2 10
Grey metal, with balls	COAL 0 1 0 2 3 10
of ironstone 1 2 5	0 7 4
Dark grey mean	Grey metal 0 1 4 Grey metal, with post
Grey metal, with balls of ironstone 2 0 6	girdles 3 4 0
COAL 0 1 6	Grev post 3 1 0
16 2 10	Strong white post,
Dark grey metal,	with metal partings 9 3 2
mixed with coal 0 3 6	Grey post, with thin partings 0 3 0
COAL 0 0 7 0 4 1	partings
Soft grey metal 11 0 5	Main Coal Seam—
Dark grey metal 2 0 11	COAL 4 5
Strong grey metal 2 3 0	Grey metal
COAL 0 3 0 16 1 4	band 0 3
2 2 2	COAL 0 9
Grey metal 0 2 0 Strong white post,	COAL, coarse 0 8 1 0 1
with water 9 2 0	$\frac{1}{1}$ 18 0 7
COAL, splint 0 2 10	White post, with metal
10 0 10	partings 2 3 0
Dark grey metal 1 1 0 Black metal, mixed	Black stones 0 2 5
with coal 1 3 0	Grey metal, with balls
Grey metal, with iron-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
stone girdles 0 5 0	Diac motar iii
COAL 0 0 7	Maudlin Seam—
Grey metal, with post	COAL 1 1
girdles 6 3 2	Grey metal
Black metal, with	band 0 3
ironstone girdles 1 1 10	COAL 3 1
Strong grey metal, with post girdles 17 0 3	0 4 5 $$ 8 3 10
with post girdles 17 0 3 Strong white post 1 2 0	Strong grey metal,
Five-Quarter Seam—	with ironstone 9 4 $2\frac{1}{2}$
Ft. In.	Black metal 0 3 1
COAL 0 4 Dant band 0 03	Low Main Seam—
COAL 1 4	Ft. In.
Grey metal	COAL 1 2
band $0   1\frac{1}{2}$	Band $0 \ 0\frac{1}{2}$
COAL 1 8	COAL $\frac{4}{}$ 0 5 $\frac{21}{3}$
Grey metal band $0  ext{ } 1\frac{1}{2}$	
COAL 0 12	Grey metal, mixed
Dant band 0 1	with post 4 5 0
COAL 0 6	COAL 0 1 2
Grey metal band 0 8	5 0 2 Dark grey metal,
band 0 8 COAL 0 3	mixed with post 1 1 6
—— 0 5 3	COAL 0 0 4
<del></del>	1 1 10
Carried forward 190 3 4	Carried forward 244 1 8

# No. 1,678.—SEAHAM.—CONTINUED.

D 14.6	Fs.	Ft.	In. Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward		,_	244	1	8	Brought forward 281 2 0
Dark grey metal	1	5	$7\frac{1}{2}$			Thill stone 0 3 0
COAL	0	0		0		Black metal, with coal
			2	0	0	pipes 0 2 6
Dark grey metal, with		_				Grey metal 1 2 6
post girdles	4		0			Blue metal partings 0 0 3
Whin	1	1	3			Grey post 0 3 6
Strong grey post, with						Blue stone 1 5 6
metal partings	2	<b>2</b>	2			COAL 0 0 6
Soft blue metal	0	0	2			4 5 9
Hutton Seam- Ft. In.						Thill stone 0 2 6
COAL 3 9						Grey post, mixed with
COAL, bot-						whin 1 0 10
tom 0 11						Blue metal 0 4 6
	0	4	8			Ft. In.
			8	2	3	COAL, with
Grey metal	0	5	0			thin jet bands 1 9
COAL, coarse, with						Thill stone 5 0
slate partings	0	1	5			COAL 1 1
Strong grey metal	1	4	0			Thill stone 0 7
Strong grey post, with						COAL 1 0
metal partings	3	0	10			Thill stone 2 4
Dark grey metal	0	1	2			COAL 0 10
Strong grey metal,						2 0 7
with ironstone gir-						4 2 5
dles	1	0	7			Grey post 2 0 1
Blue metal	0	3	i			White post 2 1 0
COAL	0	0	41			Filtering white post 3 2 4
		_	<del></del> 2 7	4	$5\frac{1}{5}$	Thirting white post
Blue metal	0	0	6		- 2	Busty Scam— Ft. In.
Strong white post,	-					COAL, with
with metal partings	4	4	4			splint 0 5½
Dark blue metal	0 .		6			COAL, coarse,
COAL-Parrot or						with slip-
Cannel Coal	0	1	7			pery part-
			<u> </u>	5	11	ings at bot-
Black metal, with balls			_	-		tom 1 8
of ironstone	2	3	1			COAL 0 8
Dark blue post, with	_	•	_			Strong grey
balls of whin and						bands 0 5
metal	4	0	0			COAL, bright 0 51
White post, with ball		Ü	Ü			Thill stone 2 0
of whin parting	5	0	0			COAL 0 9
Grey metal			$9\frac{1}{3}$			
COAL—Harvey Seam			$10^{\frac{3}{3}}$			
JAL Harvey Seam			<del>-</del> 12	5	21	Post 8 3 10 0 1 0
			- 12	U	03	Post 0 1 0
Carried forward			281	2	0	Total 299 3 0
owined for hald			201	-	U	Total 299 3 0

SECTION OF BUSTY BANK SEAM, TAKEN SEPTEMBER 24TH, 1856.

			Fs. Ft.	In. Fs.	. Ft. 1	In.
COAL, splint		 	0  0	6		
COAL, good		 	0 2	5		
Hard stone band		 	0 0	4		
Soft stone band		 	0 0	<b>2</b>		
COAL, good		 	0 0	41		
Stone band		 	0 2	2		
COAL		 	0 0	8		
				- 1	0	$7\frac{1}{2}$
	Total	 	•••	1	0	$7\frac{1}{2}$
				=		=-

### No. 1,679.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ}$  3′ 41'', Long.  $1^{\circ}$  37′ 24''.

Strata bored through in Seaton Burn Estate, about 400 yards North of the Farm House by the Turnpike and 300 yards East of Road. February 5th, 1833.

Approximate surface level 225 feet above sea (Ordnance datum).

Soil		Ft.	In. F	s. Ft	. In.	Broug	ght for	ward		Ft.		Fs. 25		
Blue sandy clay		3	10			Grey meta				1			_	
Grey whin tumbler		0				Grey meta								
Blue stony clay		0	0			post gird	lles		1	0	0			
White and brown						Strong wh	ite post	and						
post Grey metal stone	3	3	0			water			2	0	7			
Grey metal stone	0	5	0			Whin	• • •		0	0	6			
White post, with water	6	1	0									3	0	-
Grey metal stone	1	0	0								_	3	2	7
Black stone	0	3	4											
COAL famil Ft. In.														
COAL, foul 0 8 COAL 4 2														
COAL, foul,														
with scares														
of metal 0 8														
	0	5	6			\								
		_	_ 28	5 4	11									
			_											
Carried for	war	d	2	5 4	11		Total				*	29	1	6

<sup>\*</sup> Approximate sea level 49 feet 6 inches below this.

# No. 1,680.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 38″, Long. 1° 37′ 45″.

Sunk at Seaton Burn Colliery, Engine Pit. 1844.

Approximate surface level 218 feet above sea (Ordnance datum).

Strong blue metal 10 1 0 Freestone 4 3 0	Brought forward Fs. Ft. In. Fs. Ft. In. White thill and post
Grey metal ·2 0 10 COAL — High Main	girdles 0 1 6 Dark grey metal and
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	post girdle 1 3 6 COAL 0 0 5
Carried forward 17 4 10	Carried forward 1 5 5 17 4 10

# No. 1,680.—SEATON BURN.—CONTINUED.

				-			
Brought forward		Ft.		Fs. 17		In. 10	Fs. Ft. In. Fs. Ft. In. Brought forward 6 3 11 30 2 5
e	_				-		Black stone 0 3 2
Black stone	1	0	8				COAL and band 0 2 9
Grey post	0	1	6				7 3 10
White post	0	4	8				Grev metal 0 1 5
Dark post	1	2	8				
White post, with whin	1		3				1 cost mich protection
Blue stone	1	0	8				COAL and black stone 0 1 0
COAL and band							11 1 11
Grey Seam	0	3	3				Dark grey metal 0 4 0
•				8	3	1	COAL and dark grey
						_	metal 0 3 10
White thill and blue							Post, with metal part-
stone	0	3	3				ings 1 1 9
COAL	ŏ	0	6				Grey metal, with black
White shill and post	ő		3				stone 0 5 0
Black metal and post		_	_				Blue and grey metal
girdle	1	3	8				post, with whin
Grey metal		3	3				girdles 1 3 10
Blue metal	ő	3	$\frac{3}{7}$				Whin 0 2 1
COAL - Yard Coal		3	ó				Blue metal, with whin
COAL = 1 una Cout	U		U		_		
				4	0	6	girthes iii iii = = = =
							Freestone and mussel
Black stone and grey							Deat III o = =
metal	1	1	8				Blue metal stone, with
Blue metal	1	2	8				post and whin gir-
White and black stone		4					dles 1 3 10
	10	2	9				COAL - Low Main
Blue metal and water	15	4				-*	Seam 0 3 11
	10	·F					9 2 3
Carried forward	6	3	11	30	2	5	Total <u>58 4 5</u>

<sup>\*</sup>  $\Lambda$ pproximate sea level (Ordnance datum).

# No. 1,681.—SEATON BURN.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ}~4'~37'',~{\rm Long.}~1^{\circ}~38'~39''.$ 

Section of the North Pit. Seaton Burn Colliery.

Approximate surface level 253 feet above sea (Ordnance datum).

Clay Post		3	Ft. 0 2		s. Ft	In.	Brough Post, with						Fs. F	t. I	n.
Whin Post		$0 \\ 2$	<b>1</b> 0				$_{\mathrm{Post}}^{\mathrm{ings}}$		•	1	$\frac{2}{4}$	0			
Carri	ed forward	10	3	0		-	Carried	for	vard	13	3	0			

# No. 1,681.—SEATON BURN.—CONTINUED.

Brought forward 13 3 0  Bensham Seam—  COAL 0 9½ Band 0 7 COAL 2 0 0 3 4½	Carried forward 6 1 7½ 14 0 4½  Blue metal 3 0 0  Shell bed 0 1 0  Blue metal 0 3 0  Low Main Seam—  Ft. In.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
ings 1 0 0 Whin 0 1 0 Post, with blue part-	$ 0 4 0 \\ 10 3 7 $
ings 1 0 0 Post 0 3 0 Whin 0 3 0 Post 0 4 0	
Carried forward $6  1  7\frac{1}{2}  14  0  4\frac{1}{2}$	Total *24 4 0

<sup>\*</sup> Approximate sea level 105 feet below this.

#### No. 1,682.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ}$  4′ 9″, Long.  $1^{\circ}$  40′ 27″.

Strata bored through in West Brenkley Estate. No. 1 Borehole, about 6 yards from North fence and 22 yards from East fence; near the line of outcrop of the Low Main Coal Seam. November, 1887.

Approximate surface level 208 feet above sea (Ordnance datum).

Clay Black stone band					Fs. 2 0	Ft. 4 0	In. 1 0 2 <sup>1</sup> / <sub>4</sub>	Fs. F	t. In.	
Low Main Seam-				Ft. In.			•			
COAL				0 3						
COAL, grey .				0 5						
COAL				3 2						
Brat (danty band)				0 1						
COAL				0 3						
Brat (danty band)				0 1						
COAL				0 3						
		• • • • • • • • • • • • • • • • • • • •			0	4	6			
								3	2 8	1
	Tota	.1							-	1
	Tota	ıl	•••	•••		•••	à	3	2_	8

<sup>\*</sup> Approximate sea level 188 feet below this.

### No. 1,683.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ}$  4′ 7″, Long.  $1^{\circ}$  40′ 30″.

No. 2 Borehole in West Brenkley Estate, 66 yards from North fence and 103 yards from East fence; South-west from No. 1 Borehole, and supposed to be beyond the line of outcrop of the Low Main Coal Seam. November, 1887.

Approximate surface level 210 feet above sea (Ordnance datum).

Clay COAL Post Blue metal Post Blue metal Ironstone Blue metal			Fs. 1 0 0 1 0 1 0 1	4 1 2 2 0 3 0	In. 0 8 9 7 3 9 2 10	Fs.	Ft. 5	In. 8	Brought forward Ironstone Blue metal Shell bed Blue metal Ironstone Blue metal	5 0 0 0	$0 \\ 0$	4 6 3 0 3 2	Fs. 1		In. 8
Carried	l forwa	rd	5	0	4	1	5	8	Total		•••	*	¢11	3	10

Note.—The Low Main Coal Seam has evidently "cropped out" at some point between No. 1 and No. 2 Boreholes.

#### No. 1,684.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Orduance Map. Lat. 55° 4′ 11", Long. 1° 40′ 27",

No. 3 Borehole in West Brenkley Estate, 66 yards North (Magnetic, 1887) from No. 1 Borehole. November, 1887.

Approximate surface level 205 feet above sea (Ordnance datum).

CO.				Fs.			Fs.	Ft.	In.
Clay	 		 	 T	5	0			
Post	 		 	 0	3	8			
Blue metal	 		 ,,	 0	1	0			
Shell bed	 		 	 0	1	0			
COAL	 		 	 0	0	$^{2}$			
							2	4	10
Blue metal	 		 	 0	3	6			
Whin	 		 	 0	0	9			
						_	0	4	3
							-		
	,	<b>l</b> otal	 				*3	3	1

<sup>\*</sup> Approximate sea level 184 feet below this.

<sup>\*</sup> Approximate sea level 140 feet below this.

# No. 1,685.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4′ 10″, Long. 1° 40′ 27″.

No. 4 Borehole, half-way between No. 1 and No. 3 on North line.

Approximate surface level 207 feet above sea (Ordnance datum).

Clay Post				 	 2	Ft. 1 2	In. 0 0	Fs.	Ft.	In.	
Blue metal	•••	•••	•••	 	 1	3	0	4	0	0	
		'-	<b>Fotal</b>	 				*4	0	0	

Note.—The Low Main Coal Seam has evidently "cropped out" at some point between No. 1 and No. 4 Boreholes.

\* Approximate sea level 183 feet below this.

#### No. 1,686.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ}$  3′ 56'', Long.  $1^{\circ}$  40′ 28''.

Strata sunk through in the Mason Pit, Seaton Burn Colliery, Mason Estate, in the South-west corner of the Second Field North of Gardener's Houses Farm. April, 1888.

Approximate surface level 212 feet above sea (Ordnauce datum).

	-			1
Brown clay, with	Fs	Ft. 1	in. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
		-	0	Brought forward 3 3 1
boulder stones	T	1	U	Black stone band $0 \ 0 \ 2\frac{1}{2}$
Yellow freestone,				Low Main Seam-
mixed with light				Ft. In.
grey post	0	5	0	COAL 0 21
Dark blue metal	0	2	7	COAL, grey 0 3
Post girdle	0	0	3	COAL 2 9
Light blue metal				Brat (danty
			5	
		2		band) 0 2
				COAL 0 6
		1		0 3 10
Ironstone girdle		_	3	
Light blue metal	0	0	4	
(la	_		-	
Carried forward	3	3	1	Total *4 1 1

<sup>\*</sup> Approximate sea level 187 feet below this.

#### No. 1,687.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 57", Long. 1° 29′ 43".

Bored in Seaton Delaval Grounds, within the Court. October 5th, 1701.

Approximate surface level 106 feet above sea (Ordnance datum).

Blue metal Black metal	$egin{array}{cccc} 3 & 3 & & & \\ 1 & 0 & & & \\ 2 & 0 & & & \\ 1 & 3 & & & \end{array}$	0 0 0	White post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Grey thill		- 8 0 9	Blue thill	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Blue metal stone	1 3	9			
Carried forward	1 5	3 8 0 9	Total	•••	*16 2 6

<sup>\*</sup> Approximate sea level  $7\frac{1}{2}$  feet below this.

### No. 1,688.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Stones and Metals in Seaton Delaval Grounds, above the Avenue. 1742.

Approximate surface level feet above sea (Ordnance datum).

Earth						Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
			9	0	0				Brought forward 27 5 2
Grey metal	i		0	3	0				Grey stone 0 4 6
Grey post			1	3	0				Grey post 1 2 3
Black ston	e		1	3	0				Grey metal 0 3 0
Grey metal			0	3	0				Black metal 1 3 0
COAL			0	0	9				COAL 0 0 9
						13	0	9	
Grey thill			2	0	0			·	White post 1 0 0
Whin			0	1	0				Char nost 1 9 0
Grey post		•••	4	ō	0				Whin
COAL			õ	ĭ	8				
	•••	• • • •	_	_	J	6	2	8	
Grey thill			0	3	0	U	4	0	
Blue metal		• • •	อ	0	-				White post2 0 0
		• • •	2	-	0				Whin 0 3 9
White post		,	0	3	0				White post 6 0 0
Whin			0	1	6				Whin 0 2 3
White post			1	3	0				Grey stone post, with
Whin			0	1	0				girdles 2 1 6
White post			3	0	0				COAL 0 0 6
Whin			0	1	6				Grey thill 0 1 6
COAL			0	O	9				
					_	8	1	9	10 2 0
								_	
	Carrio	ed for	war	d		27	5	2	Total <u>47 3 5</u>

### No. 1,689.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Long.

Bored in Seaton Delaval Estate, at the Avenue Head.

Approximate surface level

feet above sea (Ordnance datum).

Box		Fs.	Ft.	In.	Fs. 9	Ft.	In. O	Brought forward	Fs.	Ft.	In.	Fs. 28		In.
Grey metal		0	3	0	·		-	Grey stone	^	5	0			
Grey stone		ĭ	3	Ō				Grey post	. 1	0	3			
Black stone		ī	3	0				Grey metal	. 0	3	0			
Grey metal		o	3	0				Black metal	. 1	3	0			
COAL		0	1	0				COAL	. 0	1	0			
					4	1	0				_	4	0	3
Grey thill		0	3	0				White post		0	0			
Blue metal		<b>2</b>	0	0				Grey post	1	3	0			
White post		1	0	0				Strong whin	. 0	2	0			
Strong whin		0	<b>2</b>	0				White post		5	0			
White post		1	3	0				Strong whin		3	0			
Strong whin		0	1	3				White post		0	0			
White post		3	0	0				Strong whin		4	0			
Strong whin		0	<b>2</b>	0				White post		0	0			
COAL		0	1	0				Strong whin		3	0			
				_	9	0	3	Grey stone, with pos						
Grey thill		<b>2</b>	0	0				girdles		2	0			
Strong whin		0	1	3				COAL	. 0	0	6			
Grey post		4	0	0							_	15	4	6
COAL	• • •	0	<b>2</b>	2				Grey thill	,			0	2	C
				_	6	3	5							
Carried forwa	ırd				28	4	-8	Total				4.8	5	5

### No. 1,690.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Bored in Seaton Delaval Grounds, at Wood Head, near the Burn side. March 13th, 1753.

Approximate surface level feet above sea (Ordnance datum).

Soil Grey post, with brown	Fs. 1	Ft. 1	In. 0	Fs. Ft. In.	Brought forward Grey metal, with post	7			Fs.	Ft.	In
Brown post					girdles		0	0			
Carried forward	7	3	υ		Carried forward	11	3	0			

#### No. 1,690.—SEATON DELAVAL.—CONTINUED.

Brought forward I Black metal	11 1	3	0	Ft.	In.	Brought forward 7 3 6 13 1 0  White post 3 0 0  Grey metal 0 1 6
COAL				-		
g (1) 1 41:211			- 13	1	U	High Main Seam—
Grey metal and thill	U	2	U			Ft. In. 5 0
Grey post, with metal	1	3	0			COAL, with
partings Brown scamy post	5	0	0			metal part-
White post	ŏ	3	ŏ			ings 2 0
Whin, with water	Õ	ĭ	6			1 1 0
, in in it is a second of the interest of the						12 0 0
					_	
Carried forward	7	3	6 13	1	0	Total <u>25 1 0</u>

#### No. 1,691.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 49", Long. 1° 31′ 51".

Account of the Strata sunk through in the A and B Pits, Seaton Delaval Colliery, from the surface to the High Main Seam.

Approximate surface level 118 feet above sea (Ordnauce datum).

Outset				Fs. 4	Ft.	In. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 6 2 8 21 4 5
Mild brown clay Sand, with water	0	3	7 6				Grey metal, with post girdles 2 1 0
Strong brown clay	6	3	0	10	2	1	COAL 0 0 7
Grey metal Brown post, mixed	2	3	6				Grey metal 0 2 6 White post, with part-
with white post							ings 1 0 0
Grey metal, with scamy post girdles	$\begin{cases} \frac{0}{1} \end{cases}$		$\frac{8}{1}$			*	Grey metal 1 5 0   Black metal 1 0 6
Strong grey post Grey metal, with post	0	0	9				COAL 0 1 0
girdles COAL	0	$\frac{1}{2}$	3 4	7	0	8	Grey metal, with post girdles 2 0 6 Strong metal, with
Thill Grey metal Grey post, with part-	0	$\frac{2}{2}$	0 8				post girdles and whin girdles 5 0 0  COAL—High Main
ings Strong white post	0 $4$		$0 \\ 0$				Seam 0 3 3 7 3 9
Strong white post, mixed with coal			•				
	0		0				
Carried forward	6	2	8	21	4	5	Total 42 3 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,692.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ}$  4′ 49″, Long.  $1^{\circ}$  31′ 51″.

Boring made from the bottom of the B Pit, below the Low Main-Seam, begun May 1st, and finished July 4th, 1945.

Approximate surface level at top of pit 118 feet above sea (Ordnance datum).

		_					
			. In.	Fs.	Ft.	In	Fs. Ft. In. Fs. Ft. In.
Grey metal	0	1					Brought forward 11 0 5 9 5 1
Black stone	0	0					Strong white post 0 1 11
Dark grey metal	0	1	7				Mild grey post 1 1 5
Dark grey post, mixed							Grey metal 0 0 9
with partings	1	1	0				Cashy post 0 2 8
Grey metal, with post							Grey metal 0 1 5
girdles	0	3	10				Strong white post 0 3 10
Post girdles	0	0	9				Strong white post,
Grey metal	Ŏ	2	4				with partings · 0 4 8
Strong post girdle	ŏ	ō	4				Grey metal stone,
Grey metal, with post	v	•					
	0	5	7				mixed with post 0 4 11
girdles							Strong grey post 0 1 1
Dark grey metal	0	2	4				Grey metal and post 0 4 4
Strong grey post	0	2					White post 1 0 4
Grey metal stone	0	2	9				Grey metal, with post
Mild white post	0	1	10				girdles 1 0 2
Strong grey post	0	5	5				White post 3 1 2
Dark grey metal	1	<b>2</b>	6				Mild cashy post 0 0 10
Light grey metal	1	5	6				White post 2 2 2
COAL	0	0	8				Dark grey metal 0 0 6
				9	5	1	White post 0 4 7
Thill	0	0	3	-	•	_	
Black stone, mixed	·	•					Strong grey metal
* 1 * 7	0	0	6				stone, mixed with
7701 *11	ŏ		11				post 0 1 3
	_						Strong grey post 0 2 6
Grey metal	0	1	7				Strong white post 1 0 1
Grey post	0	U	10				COAL, pipe 0 0 1
Grey metal, with coal	_	_					Strong white post 0 2 10
pipes	0	0	4				Sand, wasted away 0 0 6
Grey metal	1	0	0				COAL 0 0 10
Mild grey post	0	3	0				<del></del>
Strong grey metal							Thill 0 0 8
stone, with post							Grey metal, mixed with
girdles	1	3	2				post 1 2 11
Strong grey post, with							Dark grey post, with
metal partings	2	2	6				
Grey metal	õ		10				metal partings 0 2 0
Strong post girdle	ŏ	ŏ	9				Strong white post,
Character 1	0	2	1				with water 2 1 1
Grey metal							Grey metal, mixed
Strong grey post	1	3	7				with post 0 2 5
White post	0	5	3				Post girdle 0 0 9
Grey metal	0	0	4				Grey metal 0 0 2
Seamy post { -	0	2	10				Post, with water 0 0 6
) -	0	0	4		_	*	Whin 0 0 10
White post	Õ	ĭ	õ				White post 1 5 10
Strong grey metal,	-	-	•				COAL
mixed with post	1	0	4				0 0 0
mined with post		_	-1				6 5 11
Carried forward	11	0	5	9	5	1	0.110
Carried for ward .		U	J	J	o	1	Carried forward 44 2 3

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,692.—SEATON DELAVAL.—CONTINUED.

Thill Black stone, mixed with coal Thill White post	0 0 0 0	1 0 0	$\frac{3}{7}$				Brought forward 1 1 7 44 2 3 Grey post 0 5 5 Grey metal parting 0 0 2 White post 0 3 11  2 5 1
Grey metal, mixed with post Carried forward	0	1	0	44	2	3	Total bored below the <i>Low Main Seam</i> <u>47 1 4</u>

# No. 1,693.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $54^{\circ}\ 4'\ 50''$ , Long.  $1^{\circ}\ 31'\ 54''$ .

Section of Strata sunk in Lord Hastings' Royalty, C and D Pits, Seaton Delaval Colliery.

Approximate surface level 118 feet above sea (Ordnance datum.)

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 10 3 8 21 5 7
-1-46	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Black metal 1 2 2
Sand, with water 0 4 0	0011
Strong brown clay 6 4 0	Thill 0 0 0 6
Grey metal 2 4 5	Grey metal, with post
COAL 0 1 0	and whin girdles 6 0 9
13 2 0	COAL—High Main
Thill 0 1 0	0 0 10
Strong white post 0 1 4	Seam 0 2 10 — 19 4 11
Mild eashy post 0 2 2	Black stone, mixed
Grev metal stone 1 4 4	with coal 0 3 2
Strong grey post 0 3 8	Thill 0 3 0
Grey metal, with post (0 1 111)	Grey metal stone 5 3 0
girdles $10006\frac{1}{2}$ *	Grey scamy post, with
Mild scamy post 0 0 7	metal partings 1 3 0
Grey metal 0 4 0	Whin 0 3 0
COAL 0 2 6	Strong grey metal
4 4 1	stone 12 0 0
Thill 1 0 3	Strong white post 0 1 3
Mild white post 5 5 2	COAL 0 0 9
COAL 0 0 8	20_ 5
Thill 0 0 10	Grey metal 0 0 6
Mild scamy post 0 5 6	Strong white post 0 2 0
Grey metal stone 1 0 6	Black stone 0 1 9
COAL 0 0 6	Grey metal 0 1 9
Strong thill 0 2 3	COAL 0 0 11
Strong grey post, with	1 0 1
partings 1 0 0	
Carried forward 10 3 8 21 5 7½	Carried forward 63 4 7

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,693.—SEATON DELAVAL.—CONTINUED.

Brought forward	Fs.	Ft.	In.			$\frac{1n}{7\frac{1}{5}}$	Brought forward 8 0 3 73 5 6
trey scamy post, with						-	Grey metal 1 4 0
metal partings	0	3	0				Strong white post,
Strong grey metal							hard and coarse 13 3 9
stone	1	2	0			-0	Blue metal 0 2 0
Black metal, and iron-							COAL — Hartley
stone girdles	1	3	0				Stone Coal 0 2 0
Chill	0	3	0				<del> 24</del> 0
Grey metal	0	3	0				Thill 0 1 10
Strong grey post, with							Grey metal 0 3 2
metal partings	2	0	0				Grey seamy post 0 3 9
drey metal stone, with							Grey metal stone, with
post girdles	3	<b>2</b>	2				post girdles 1 2 4
COAL-Yard Seam	0	2	9				Blue metal 0 1 6
				10	0	11	Grey metal 2 0 0
strong white post	0	4	0				Whin 0 1 0
Strong grey post, with							Grey metal, and post
	1	0	0				girdles 0 3 8
COAL		0	8				Whin 0 1 0
Black stone	0	<b>2</b>	6				Grey post 0 2 0
'hill	0	<b>2</b>	6				Grey post 0 2 0 Grey metal 0 3 4 Strong white post 0 5 0
strong grey metal, with							Strong white post 0 5 0
post girdles	1	0	0				
trong white post	<b>2</b>	3	0				Low Main Seam—
rey post, with metal							Jet or black Ft. In.
partings	1	0	0				stone 0 7
trong grey metal							COAL 2 4
stone	0	1	7				0 2 11
Black stone, mixed							<del></del>
with coal	0	′ 4	0				Thill 0 1
0 116 1							TD / 1
Carried forward	8	U	3	73	ð	$6\frac{1}{2}$	Total 106 2 6

### No. 1,694.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Bored from the Yard Seam to the Low Main from the C Pit, Seaton Delaval Colliery.

 $\label{eq:Approximate surface level} \mbox{ feet above sea (Ordnance datum).}$ 

Sunk for staple:— Strong thill stone, mixed with post				Ft.	In.	Brought forward White post, with metal partings	0	5	8	Fs.	Ft.	In.
Carried forward	0	5	8			Carried forward	1	1	0			

# No. 1,694.—SEATON DELAVAL.—CONTINUED.

Brought forward	Fs. 1	Ft. 1	In. 1 0	Fs.	Ft.	In.	Brone	ht for	rward	Fs.	Ft.	In.	Fs. 21		In. 7
Blue metal	õ	0 1					Thill			0	1	7			•
COAL	0	0	7				COAL			0	0	1			
Black stone, mixed	•		•												
with coal	0	2	0										0	1	8
With coat	Ů	_	•	,		c									
			_	1	4	6	m1 -11			0		11			
							Thill			0	z	11			
							Mild grey			^					
							metal pa			0	3	3			
Bored :							Grey metal			0	4				
	_		_				White post	• • • •		0	0				
Grey metal	1	1 1					Whin		• • •	0		10			
Mild grey post	1	0	0				Mild grey	post		0		11			
Brown post	0		0				Blue metal			0	3	0			
White post	1	<b>2</b>	5				Whin			0	0	$4\frac{1}{2}$			
Blue metal	0	-	4				Blue metal			0	1	9			
White post	0	_	0				White post			0	0	4			
Blue metal	0	0	3				Blue metal			0	<b>2</b>	10			
Very strong post	0	0	4				Grey metal		post						
Mild grey post	0	1	1				girdles		*	0	2	$3\frac{1}{2}$	-		
Dark grey metal	0	4	1				Grey post			0	2	1			
Black stone, mixed							Grey metal			0	1	6			
with coal	0	5	11				Blue metal			0	2	6			
Grey thill	0	0	6				Blue metal								
Post	0	4	0				girdles			0	3	6			
Grey metal stone, with							Strong whi			ŏ	Õ				
post girdles	1	3	4				Mild grey			ŏ		11			
Post	0	0	8				White and	orev		v	•				
Scamy post, with metal							with met	al na	rtings	1	4	6			
partings	0	1	2				Whin			ō		11			
Blue metal	0	1	4				Mild white								
Grey post	0	1 1	11				Blue metal			ŏ	ĭ	9			
Strong white post	0	1	0				Dide metal	• • • •	•••	Ü	-	v			
Scamy post	0	2	4												
Strong white post	0	0	6				Low Main	Sean	2						
Strong scamy post	ĩ	Õ	9												
White post	1	4	3				COAL,								
Strong post, mixed							nel, or	r jet	0 6						
with whin	0	5	4				COAL	•••	2 9						
Strong white post	2	ĭ	4				+			0	3	3			
Whin	ō	ī	ô										_	0	C1
Blue metal	ŏ	ō	ĭ				T., 41.11						9		$\frac{6_{2}}{2}$
Mild grey post, with	v	•	-				In thill		• • •				U	0	9
metal partings	0	1 1	11												
Blue metal	0	$\frac{1}{2}$													
	ő														
* # 1 1 1 1			6												
	0	1	5												
	-		9												
	0	0													
COAL - Stone Coal	0	1	$8^{1}_{2}$												
			_ 1	19	2	1									
					-	_									
Carried for	wo n	A		21	0	7	Total t	olow	the V	nud.	Soc	****	3V	5	61
Currica 101		•	4	-	U				16	. 1 (6		1110 1	vv	o	Uş

# No. 1,695.—SEATON DELAVAL.

#### TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 2", Long. 1° 32′ 7".

Bored from the Yard Seam to the Low Main, N. 36½ W. 425 yards from the C Pit, Seaton Delaval Colliery.

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	$_{ m In}$	Fs. Ft. In. Fs. Ft.
Sunk for staple: -			_				Brought forward 22 4
rong thill stone	0	5	3				Thill, mixed with coal
st, with metal part-	_	_					$pipes     0   3   1\frac{1}{2}$
ings	0	1	6				COAL 0 1 10½
ne metal	0	1	1				0 5
OAL	0	0	7				- <b>0 3</b>
lack stone, mixed							Thill 0 1 6
with coal	0	<b>2</b>	0				Grey post, with metal
				1	4	5	partings $0 2 1\frac{1}{2}$
				•	_	٠	Grey metal stone, with
							post girdles 0 4 11
Bored :							Whin 0 0 51
							Grey post $0 2 2\frac{1}{2}$
lue metal stone	0	3	0				Blue metal 0 1 2
trong white post	1	0	8				Grey metal, with post
Thin	0	0	7				aindles 0 0 0
trong white post	0	0	9				Blue metal 0 1 2
rey whin	0	0	6				Grey metal, with post
trong white post,							
much water	2	3	7				C
Thin	O	0	9				Danii o o o
lue metal	0	0	9				0 11 0 0 5
lack stone, mixed							D-4 -4 1 1 0 0 0
with coal	0	2	8				0 0 0 0
hill	0	1	4				
lack stone, mixed							G
with coal	0	1	9				Grey metal 0 2 1
hill	0	3	5				Post girdle 0 0 4
rey metal	0	4	0				Grey metal 1 0 2
fild grey post, with							Grey post 0 3 3
metal partings	0	2	4				Post, with coal pipes 0 0 4
rey metal	0	5	0				Strong white post 0 1 1
lild post, with metal							Mild grey post 0 2 11
partings	0	5	0				Blue metal 0 0 2
trong white post,							Strong white post 0 2 10
hard and coarse	5	4	$7\frac{1}{2}$				Mild grey post 0 0 10
rey metal, with post			• 2				Strong white post 1 0 7
girdles	0	3	1				Whin 0 0 7
lue metal, with post							Black stone 0 0 2
girdles	0	2	6				COAL - Low Main
fild white post, with			•				Seam 0 2 10
coal pipes	0	5	9				9 3
trong white post, with	-	•					
whin	3	1	10				
Blue metal	ő	î	4				
	-						
rey metal	- 0	- 2	103	-			

Carried forward

22 4 9 Total below the Yard Seam 33

#### No. 1,696.—SEATON DELAVAL.

TOWNSHIP OF EAST SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ}~4'~52'',~{\rm Long.}~1^{\circ}~31'~24''.$ 

Account of a Boring in a Stone Drift in the East side of the Swallow Dene Whin Dyke, Seaton Delaval Colliery. October, 1843. Course by Compass from D Pit to Hole N.  $57\frac{1}{4}$  E.  $545\frac{1}{2}$  yards.

Approximate surface level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
In post							Brought forward 5 3 4 1 0 7
Blue metal	0	2	8				Strong grey post 0 3 6
Jet							Mild white post and
COAL - Low Main							water 0 1 6
Seam	0	3	0				Strong white post and
				1	0	7	water 1 5 11
Grey thill	0	1	4				Black metal and iron-
Grey metal and post							stone girdles 3 3 7
girdles	4	1	0				Grey post 0 0 5
Blue metal							Grey post 0 0 5 Grey metal 0 3 10
Strong grey metal							Strong white post 0 2 6
stone and post gir-							Grey scamy post 0 2 2
dles	0	4	9				Strong white post 0 2 9
Strong white post							13 5 6
9 III							W
Carried forward	5	3	4	1	0	7	Total below Low Main 15 0 1

#### No. 1,697.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 25", Long. 1° 31′ 56".

Bored, in Seaton Delaval Colliery Royalty, the following Holes by John Kettlewell.

No. 1, bored in the North Well Field, Whitridge Farm, about 500 yards S.E.
of Whitridge Farm House. Begun Oct. 24th; ended Dec. 4th, 1837.

Approximate surface level 130 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.   Fs. Ft. In.   Fs. Ft. In.	Brought forward   Fs. Ft. In. Fs. Ft. In.   13 3 0
13 3 0	
Carried forward 13 3 0	Carried forward 1 3 10 13 3 0

# No. 1,697.—SEATON DELAVAL.—CONTINUED.

Brought forward	Fs.	3	10	Fs. 13	Ft.	In. 0	Brought forward 1 0 5 28 2 8
Grey metal stone Dark grey post Strong white post, with	0	3	0 7				Grey metal, with post girdles 1 3 0 Whin 0 1 0
metal partings Grey metal COAL	$\begin{array}{c} 0 \\ 1 \\ 0 \end{array}$	4 4 2	7 9 2				Grey metal, with post girdles 0 3 6 Black stone, with iron-
			_ 1	5	3	11	stone girdles 1 2 4 COAL 0 0 4
Grey metal, with post girdles						*	Grey metal 1 4 0 Grey metal stone 1 2 8
White post, with metal partings Whin	$_{0}^{1}$	$\begin{array}{c} 5 \\ 2 \\ 1 \end{array}$	8				Whin 0 0 4 Strong white post, with metal partings 2 0 5
Grey post	1	1	5 —	6	1	8	COAL 0 0 3 5 1 8
Grey metal, with post girdles Strong white post	1	2 2	2				Mild grey post, with metal partings 0 4 1 Grey metal 0 0 10
Grey metal COAL	1	0	4	3	0	1	COAL 3 0 Grey metal band 0 3
Thill Strong white post	0	1 5	5 0	Ü	J	•	COAL 1 11 0 5 2 1 4 1
Carried forward	1	0	5	28	2	8	Total 40 1 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,698.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 47", Long. 1° 31′ 35".

No. 2, bored in the Sore Field, Whitridge Farm, near the bottom of the field. Begun Nov. 28th, and ended Nov. 30th, 1837.

Approximate surface level 110 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil		 	 	 0	0	8				
Stony clay		 • • •	 	 1	2	0				
Fine clay		 	 	 0	3	2				
Sand, with	water	 	 ·	 0	0	3				
Sandy clay		 	 	 0	2	7				
Loam		 ***	 	 0	2	10				
Stony clay	• • •	 	 • • •	 2	1.	8				
Blue metal		 	 	 0	3	0				
							5	4	2	
		Total	 •••				*5	4	2	

<sup>\*</sup> Approximate sea level 76 feet below this.

### No. 1,699.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 57", Long. 1° 31′ 19".

No. 3, bored in the Thistle Field, being the Easternmost in Whitridge Farm, about 200 yards east from the west hedge, and within 4 yards of the north hedge.

Begun Nov. 30th, and ended Dec. 29th, 1837.

Approximate surface level 95 feet above sea (Ordnance datum).

C .: 1			Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I
Q. 1	•••	$\frac{0}{1}$	0	$\frac{9}{3}$				Brought forward 18 0 Thill 0 2 2
Fine loamy cl	 lav	0	4	0				Grey metal, mixed
Stony clay		2	3	0				with scamy post
Grey metal		ō		4				girdles 2 4 10
COL		0		11				Black stone 1 1 6
					5	0	3	Grey metal 2 2 11
					Ð	U	o	Whin 0 0 4
Mild scamy r	oot	0	3	4				Grey metal 1 1 0
Mild white pe		0	3	1				Whin 0 0 6
Grey metal, w		U	U	1	-			Strong white post 0 0 10
post girdles		1	3	5				Seamy post 0 5 11
COAL		ō	2	5				Whin 0 3 6
					3	0	3	Mild white post 1 1 8
				_	9	U	9	774. 7
Thill .		0	0	6				COAL 6 4
Grey metal .		0	4	6				Grey metal
COAL .		0	0	3				band 0 7
					0	5	3	COAL 1 11
					U	J.	o	Grey metal
Thill .		0	2	10				band 0 1
Strong whi	te post,							COAL 0 6
with partin		2	0	1				Grey metal
Brown post,								band 0 2
with yellow		1	5	1				COAL 0 5
Strong whit								1 4 0
mixed with		2	2	9				12 5
Strong whit		0	0	6				
mixed with	•	ÌΤ	0	1			*	Thill 0 0 1
	•••	0	2	6				
Scamy post . Blue metal .		0	4	3				
0041		0	0	9				
OOAL	• • • • • • • • • • • • • • • • • • • •	U	U	J				
					9	0	10	
C			,					m + 1
Ca	arried for	war	d		18	0	7	Total <u>31 0</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,700.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 18″, Long. 1° 32′ 29″.

No. 4, bored in the Low Pasture Field, North Moor Farm, at the N.E. angle of the said field, and 450 yards direct East of the North Moor Farm House.

Begun Jan. 1st, and ended 16th, 1838.

Approximate surface level 125 feet above sea (Ordnance datum).

Stony clay Fs. Ft. In. Fs. Ft. In. 1 3 2	Fs. Ft. In. Fs. Ft. In. Brought forward 15 1 2
Sand 0 0 3	Grey metal stone 0 4 9
Fine clay 1 3 7	COAL 0 1 11
Sand, with water 0 3 1	<del> 16 1 10</del>
Fine clay 0 2 6	Thill 0 2 0
Stony clay 9 0 4	Grey metal 0 1 3
Grey metal 1 3 9	Yellow post, mixed
Yellow post, mixed	with grey post 1 4 10
with grey post 0 2 6	Strong white post 0 1 0
and gray I am	2 3 1
Carried forward 15 1 2	Total *18 4 11

<sup>\*</sup> Approximate sea level 12 feet below this.

#### No. 1,701.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ}\ 5'\ 18'',\ \mathrm{Long}.\ 1^{\circ}\ 32'\ 21''.$ 

No. 5, bored in the North Centre Bit Field, North Moor Farm, about 105 yards from the West Hedge and 600 yards direct East of the North Moor Farm House, also six ridges from the North Hedge in the Centre Bit Field. Begun January 17th, and ended February 17th, 1838.

Approximate surface level 120 feet above sea (Ordnance datum).

				Fs. Ft	t. In.	Fs. Ft. In. Fs. Ft. In.
Stony clay	$^{2}$	4	9			Brought forward 12 3 6
Sandy loam	0	2	9			Whin 0 1 2
Clay	0	0	6			Strong grey post 0 1 6
Sand, with water	0	2	8			Brown post, mixed
Stony clay	4	3	9			with yellow post 2 5 8
Sand	0	0	4			White post, with part-
Brown clay, mixed						ings (water gone) 1 1 0
with sand	- 3					Whin 0 1 6
Sand	0	1	-8			Grey post, with part-
Sandy clay	0	1	8			ings 1 5 3
Strong yellow post	0	3	4			( 0 4 5
						Mild white post $\begin{cases} 0 & 4 & 5 \\ 2 & 0 & 5 \end{cases}$
Carried forward	12	3	6			Carried forward 22 0 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,701.—SEATON DELAVAL.—CONTINUED.

Brought forward 22 0 5	Brought forward Fs. Ft. In. Fs. Ft. In. 32 0 8
	m:11
White post, mixed	Thill 0 1 2
with coal pipes 0 1 0	Black metal 0 2 7
White post 0 5 6	COAL 0 0 4
Cashy post 0 1 6	0 4 1
$COAL$ 0 0 $3\frac{1}{3}$	Grey metal 0 1 4
$^223 \ 2 \ 8\frac{1}{2}$	Blue metal 0 2 6
Thill 0 2 0	Grey metal 0 2 10
0 4 61	COAL 0 0 10
	1 1 6
Strong white post, with	
partings 0 3 8	1 7 7 1
Grey metal 0 2 3	Grey metal 2 4 4
Blue metal 0 3 0	Grey metal, with scamy
Grey metal 1 5 5	post girdles 0 3 5
Black metal 2 1 11	Grey post, with part-
Grey metal 0 2 0	ings 0 1 9
77	Grey metal stone 0 5 2
	——————————————————————————————————————
Grey metal 0 4 7	
COAL 0 2 1	
8 3 1112	
Carried forward 32 0 8	Total 38 5 4
5021250 251 Water 52 5	

N.B.—This hole was here abandoned, having evidently for the last few fathoms been in the gullet of a dyke, or some derangement of that sort.

#### No. 1,702.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 49", Long. 1° 31′ 52".

No. 6, bored in Whitridge Farm, 154 yards East from the West Hedge of the Grey Field and 88 yards North from the South Hedge. Begun February 21st and ended March 21st, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft	In. Fs. Ft. In. Fs. Ft. In
Stony elay 1 0 7	Brought forward 15 4 5
Loamy elay 1 0 0	Strong grey post 0 0 8
Sand 0 1 0	Grey metal 0 1 1
Loamy clay 1 0 0	White post 0 0 11
Sand, with water 0 3 6	Grey metal stone 0 5 4
Stony clay 6 3 0	COAL 0 2 2
Grey metal 2 3 6	——————————————————————————————————————
Brown and white post 0 5 1	Thill 0 3 0
Grey metal, with scamy	Grey metal 0 2 0
post girdles 1 5 9	Grey post, with part-
	ings 0 2 9
Carried forward 15 4 5	Carried forward 1 1 9 17 2

# No. 1,702.—SEATON DELAVAL.—CONTINUED.

			-	-	7731	Ţ.,	Fs. Ft. In. Fs. Ft. In
Brought forward		Ft.		17	Ft.		Brought forward 2 0 8 26 1
****	ō	ō	4		_	•	Blue metal 0 4 0
Whin White post, with eashy			4				Grey metal, with post
	ίŤ		_			*	girdles 0 3 0
		1	1				girdles 0 3 0 Black metal 1 1 7 Grey metal 1 0 0
Strong white post	1	T	T				Grey metal 1 0 0
Grey post, with part-	-1	Λ	0				Grey metal, with post
ings	1	0	8				girdles 0 3 2
White post, with coal	^	_	-				girdles 0 3 2 Grey post 0 0 6
pipes	0	1	7				Whin 0 0 6
Strong grey post	U	Т	7				Grey metal, with post
White post, with coal	_	~	_				girdles 0 1 10
pipes	0	1	2				7777':
COAL	0	0	8		_	_	11 2222
				6	3	3	Strong grey metal
Grey metal	0		6				stone, with post girdles 5 0 10
Strong white post	0	1	5				dles 5 0 10
Grey metal, with post							High Main Seam—
girdles	1		1				Ft. In.
COAL	0	0	4				COAL 3 6
				<b>2</b>	1	4	Metal band 0 4
Thill	0	0	6				COAL 1 4
Grey metal	0	2	0				Metal band 0 8
White post, with part-							COAL 0 4
ings	0	3	8				1 0 2
Whin	0	0	11				12 4 8
Cashy post and metal							Thill 0 0
partings	0	1	8				
Grey metal		3					
arej mesar							
Carried forward	2	0	8	26	1	2	Total 39 0
Callica for ward	-	•	Ü	_0	_	_	

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,703.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 52", Long. 1° 31′ 35".

No. 7, bored in the Sore Field, about 150 yards direct North of Hole No. 2. On this Hole the Engine Pit is intended to be sunk. Begun March 26th; ended April 3rd, 1838.

Approximate surface level 102 feet above sea (Ordnance datum).

Mild brown clay, with	Fs. Ft. In. Fs. Ft. In.				Brought forward				Fs. Ft. In.
stones		5	0		Grey metal, mixed		٠		
Strong brown clay,					with coal	0	1	6	
with stones	1	5	0		Grey metal	0	1	6	
Dry sandy clay	0	3	0		Cashy post, with metal				
					partings		2	3	
Carried forward	5	1	0		Carried forward	6	0	3	

#### No. 1,703.—SEATON DELAVAL.—CONTINUED.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	6	0	3				Brought forward 2 0 6 7 5 5
Mild white post, with partings Mild white post, with							Grey metal
coal pipes	0	1	0				band 0 1
Mild white post	0	1	6				COAL 0 6
Strong white post	0	3	0				0 2 4
COAL	0	2	3	7	5	5	Thill, mixed with iron-
Thill				•	_	Ū	stone girdles 0 3 6
Cashy post	0	1	2				Grey metal stone, with
Grey metal, with cashy post girdles	0	4	6				post girdles 0 3 0 Strong white post,
Grey metal stone, with	Ü	_	•				mixed with whin 0 2 6
post girdles	1	0	6				Cashy post 0 0 6
							Whin 0 0 5
							1 3 11
Carried forward	2	0	6	7	5	5	Total <u>*12 0 2</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,704.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 50", Long. 1° 31′ 47".

No. 8, bored in the Grey Field, Whitridge Farm, about four chains East of No. 6 Hole. Begun April 4th and ended April 12th, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft.	
Sand and gravel	0	4	6				Brought forward 2 4 7 9 5	11
Strong brown clay,							Grey metal, mixed	
with stones	0	1	6				with cashy post 1 0 0	
Sandy loam	0	3	7				Cashy post, with metal	
Sandy clay	1	3	5				partings 1 0 6	
Sand	ō	2	8				Broken post, mixed	
Sandy loam	_	4					with post 0 0 4	
Strong brown clay,	•	_	•				Strong grey metal	
	5	Ω	7				stone 1 2 1	
Brown clay, mixed	U	•	•				Broken post 0 2 8	
with coal	0	Λ	6				Mild cashy post, with	
Blue metal								
COAL							metal partings 0 5 10 COAL 0 2 3	
OOAL	U	U	Ð	9	=	11		0
Thill	_	2		9	Э	11	Thill 8 0	3
							Thill 0 0	8
Grey metal	2	1	7					
Carried forward	2	4	7	9	5	11	Total *18 0	10

<sup>\*</sup> Approximate sea level 9 feet below this.

# No. 1,705.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

No 9, bored in the North-west corner of Make-me-Rich Field, Fryer's Letch, 1\frac{1}{4} miles
North from C and D Pits, by Wm. Coulson. Begun May 19th
and ended October 19th, 1843.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 9 1 10 57 0 0
Strong blue clay, with	Strong white post,
sandy partings and	with whin and water 1 1 0
H total	Grey scamy post 1 0 0
Grey metal, with post girdles 4 1 9	Black metal, with coal 0 2 6
Sittles	Grey metal 1 0 8
water 0 0 3	Strong white post,
Grey metal, with post	with whin girdles,
girdles 7 4 0	metal partings, and
Dark grey metal 1 3 0	water 13 2 5
COAL 0 0 6	Strong grey metal
19 1 6	stone 0 3 0
Grey and dark metal,	Grey metal 0 4 6
with scares of coal 2 2 10	Ft. In.
COAL, with water 0 2 1	COAL, slaty 0 6
2 4 11	COAL 1 5
Dark grey metal,	0 1 11
mixed with coal 0 4 6	27 5 10
Strong grey metal,	Strong grey metal 0 1 1
with whin girdles	Strong white post 0 3 10
and water 9 2 5	Strong grey metal and
Grey post, with metal	ironstone girdles 0 4 5
partings and water 10 5 4	COAL, foul Ft. In.
Grey metal stone 1 2 10	brassy 0 3
Grey post, with water 1 4 0	Grey metal 0 11 COAL 1 0
Grey metal 0 4 0	COAL 1 0 0 2 2
COAL 0 0 7	1 5 6
0.1.4	0
Black metal 0 1 4 Black metal 0 2 2	Strong white post and
Grey metal, mixed	metal partings 0 3 5
with coal 3 3 4	Grey metal 1 0 2
Strong white post,	Whin 0 0 8
with metal partings 5 2 4	Grey metal 1 2 4
COAL-Yard Seam 0 2 9	COAL, foul slaty 0 1 1
9 5 11	4 2 1
Strong grey metal 0 3 5	Grey metal 0 5 6
Hard white post 0 2 8	Grey scamy post 0 2 7
Grey metal stone, with	Strong grey metal and
post girdles 2 5 7	post girdles 1 2 1
Mild white post 0 4 10	Low Main Seam—
Black metal, mixed	COAL, slaty—
with $coal$ 0 1 11 Grey metal stone 2 5 0	Cannel Coal 0 6
1171	COAL, strong,
Whin girdle 0 2 5 Grey metal stone, in-	without any
clining to post 1 0 0	parting $4 \cdot 10\frac{1}{2}$
o loss III 7 0 0	$$ 0 5 $4\frac{1}{2}$
	$\frac{}{}$ 3 3 $6\frac{1}{2}$
(1 1 1 0 1 0 1 10 7	
Carried forward 9 1 10 57 0 0	Total $94 \ 4 \ 11\frac{1}{2}$

Note.—Relief Pit sunk on this hole to Yard Seam.

## No. 1,706.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 52", Long. 1° 31′ 35".

Sunk in the Engine Pit, Seaton Delaval Colliery. May 10th, 1838.

Approximate surface level 102 feet above sea (Ordnance datum).

													-
<b>2</b>				Fs.	Ft.	In.	D 1.0				Fs.		
Outset	1	0 5	0				Brought forward	4	Э	U	27	U	6
Mild brown clay Strong brown clay,	2	ð	0				High Main Seam— Ft. In.						
with stones	2	2	0				COAL 0 6						
Grey metal, mixed	_	_					COAL 0 8						
with coal	0	1	6				COAL 4 8						
Grey metal	0	1	6				COAL 0 10	1	0	8			
Mild scamy post, with	1	0	o						_	_	5	5	8
parting	$\frac{1}{0}$	$\frac{2}{3}$	$\frac{2}{0}$				Black band	0	0	3			0
Strong grey post	0	2	3				Grey metal band	0	0	5			
	·	-	Ŭ	8	5	5	COAL 2 2						
G 13 11 1				0	ð	3	Grey metal band 0 9						
Grey metal, with cashy	2	^	0				COAL 1 3						
post girdles	Z	0	0					0	4	2			
COAL 1 8								_			0	4	10
Band 0 1							Thill	0	0	6			
COAL 0 9							Grey metal stone	5 3	4	4			
	0	2	6				Scamy post Strong grey metal	о	U	U			
				2	2	6	stone	4	0	0			
Thill, mixed with iron-							Scamy post, with metal						
stone balls	0	5	7				partings	<b>2</b>	1	0			
Strong white post	0	2	0				Grey Seam— Ft. In.						
Cashy post	0	0	6				Grey metal						
Whin	0	0	6				band 0 3						
White post, mixed	4	0	0				COAL 2 6						
with yellow post White post, with (	0	1	6					1	0	0			
water	$\frac{0}{2}$	4	6			*					15	5	10
White post, mixed	_	T	U				Mild white post	0	3	0			
with coal pipes	0	3	0				Grey scamy post	0	2	0			
Plum pudding post	0	1	0				Strong grey metal stone, with post	1	1	0			
Cashy post	1	0	0				Mild white post	ō	î	ő			
Grey metal		3	3				Strong grey metal	-					
COAL	0	U	11				stone, mixed with						
				10	4	9	post and ironstone	1		10			
Thill	0	1	0				Strong white post	0	1	2			
Scamy post, with eashy		_	_				Grey scamy post Strong grey post,	0	3	6			
partings and water	1	2	5				Strong grey post, mixed with iron-						
Grey metal Black stone	$\frac{1}{1}$	$\frac{5}{2}$	5 0				stone girdles	1	0	2			
COAL	0	1	ŏ				Mild dark grey metal,						
,,,		_	·	4	_	10	mixed with post and						
614	_		_	4	9	10	ironstone girdles	0	3	0			
Strong thill stone Grey metal stone	$\frac{1}{2}$	0	0				Black stone or metal	0	4	0			
White post, mixed	4	3	0				Grey metal	0		11			
with grey post	1	2	0				Grey metal, with post	Ü	0	**			
0 01		_	,				girdles	0	3	0			
Carried forward	4	5	_	27	_		0 . 10	_			4.0		
Carried 101 ward	÷	J	U	41	0	6	Carried forward	7	0	7	49	4	10
			-										

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,706.—SEATON DELAVAL.—CONTINUED.

Brought forward		Ft.	In. 7			In. 10	Brought forward 20 5 9 64 2 3
Whin	0	1	0				Grey scamy post 0 0 9
Grey metal stone	1	2	0				Grey metal 0 3 6 C O A L — Hartley
Grey post girdles, with metal partings	1	2	0	•			Stone Coal 0 2 0
Blue metal, with iron-							Thill stone 0 1 0
stone girdles	0	5	0				This because it
Grey scamy post gir-							
dles, with metal	_		11				Grey scamy post 1 2 10   Blue metal 1 0 0
partings		$\frac{3}{1}$					Grey metal stone 3 0 1
Whin	U	1	U				Strong grey post, with
Strong grey metal	0	5	0				partings 1 1 0
stone Blue metal, with iron-	U	J	U				Blue metal, with iron-
stone girdles	٥	4	0				stone girdles 0 2 3
COAL—Yard Seam	ő		ĭ				Black thill 0 0 9
SOAL—1476 Scam			_	13	3	7	COAL - Low Main
Thill	0	3	10		-	·	Seam 0 2 6
Ft. In.	-	_					8 1
COAL 0 6							
Black thill 0 6							93 5
COAL 1 0							Sunk further for
	0	<b>2</b>	0				Sump:—
				0	5	10	Thill stone 1 1 0
Strong thill stone Mild white post, with	0	1	0				Grey metal 1 3 0 Grey metal, with post
partings	2	0	3				girdles 0 4 0
Strong white post			7				White post, with me-
Dark grey post			7				tal partings 2 0 0
Black stone, mixed			,				Blue metal 0 0 6
with coal	0	4	5				Strong white post 1 1 6
Thill	0	1	0				Strong white post,
Grey metal stone	1	5	2				with coal pipes 0 4 0
Strong white post,							Blue metal, with gir-
very hard and coarse	12	1	6				dles 4 0 4
Plum pudding or Mag-							COAL 0 0 2
		1	6				Strong grey metal 0 2 0
Grey metal	0	0	6				11 4
Carried forward		5		64	2	3	Total 105 4

## No. 1,707.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Sunk and bored from the Low Main Seam, Two Pillars West of the Engine Pit, Seaton Delaval Colliery.

Approximate surface level feet above sea (Ordnance datum).

Sunk for Staple, Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 1 10
water level drift:— Grey thill 1 1 10	Grey metal, mixed with post girdles 2 1 3
Carried forward 1 1 10	Carried forward 3 3 1

## No. 1,707.—SEATON DELAVAL.—CONTINUED.

Brought forward 3 3 1 Grey post, with metal	Brought forward  Brought forward  Fs. Ft. In. Fs. Ft. In.  11 5 0  Bored further:
partings 1 0 7 Strong white post 3 3 0 Blue metal, with iron-	Blue metal 1 4 8 White post 0 2 9 Grey scamy post 4 0 1
stone girdles 3 4 4	6 1 6
Carried forward 11 5 0	Total <u>18 0 6</u>

N.B.—The stone drift to engine is 10 fms. 4 ft. 4 ins. below Low Main Seam.

#### No. 1,708.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 4′ 52", Long. 1° 31′ 56".

Account of Strata sunk through in the E and F Pits, Seaton Delaval Colliery, from the surface to the Yard Coal Seam.

Approximate surface level 110 feet above sea (Ordnance datum).

				-			
Outset	Fs. Ft. In. Fs. Ft. In. Brought forward	Fs.	Ft.	In.	Fs.		
35113.1		_			31	T	10
		0	3	3			
Sand, with water		0	5	0			
Strong brown clay	0 9 0	1		11			
Grey metal	0 0 0	1	1	3			
Broken post	0 3 8 0 1 0	0	0	9		_	
COAL	10 / 17				4	3	<b>2</b>
Thill	12 4 11   Thill	0	2	0			
1nm	O 1 O Grey metal	0	3	0			
Mild grey post	1 0 5 Whin	0	2	6			
(	0 1 7 * Strong grey metal,						
Grey metal	1 5 4 with iroustone gir-						
Grey scamy post		4	1	2			
Grey metal	0 5 6 COAL	0	3	0			
COAL	0 2 6			_	5	5	8
	O 5 1 Black stone, mixed				•	·	•
Grey metal	0 5 1	7	^	^			
White post, with water	0 ± 0 TIL:11	1	0	0			
COAL	O O O		2	0			
	Grey metal stone	5	z	3			
Thill	O 1 6 Grey metal and post	0	0	_			
Mild cashy post	1 3 0 girdles	8	z	9			
Whin	O 3 O Grey metal	5	3	7			
Grey metal	0 3 0 COAL—Grey Seam	0	0	3			
COAL	0 0 9		_		20	4	10
	2 5 3						-
Carried forward	31 1 10 Carried forward				62	3	-6
	Our Hou for ward				U	o	U

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,708.—SEATON DELAVAL.—CONTINUED.

Brought forward				Fs. 62			Fs. Ft. In. Fs. Ft. In. Brought forward 5 4 0 62 3 6
Thill				-	•	•	Strong grey post 1 2 0
Strong white post	0	1	4				Grey post, with metal
Grey metal, with water Strong with post	0	0	3				partings 1 3 0 Whin 0 5 0
Strong with post	0	3	5				
Whin	0	1	5				Blue metal, with whin
Grey scamy post, with							girdles 0 1 4
partings Grey metal stone Blue metal	1	1	0				Grey metal stone, with
Grey metal stone	1	4	0				post girdles 0 5 6
Blue metal	0	1	3				Strong blue metal
Black stone, with iron-							stone 1 0 9
stone girdles	0	4	0				COAL - Yard Coal
Thill	0	1	6				Seam 0 2 9
stone girdles Thill Grey metal	0	<b>2</b>	6				12 0 4
							, , , , , , , , , , , , , , , , , , , ,
Carried forward	5	4	0	62	3	6	Total <u>74 3 10</u>

## No. 1,709.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 6′ 53", Long. 1° 32′ 35".

Account of Strata sunk through at the Forster Pit, Seaton Delaval. May 11th, 1859 to 1860.

Approximate surface level 75 feet above sea (Ordnance datum).

Soil	Fs. Ft. In. Fs 0 1 0	. Ft. In.	Fs. Ft. In. Fs. Ft. In
			Brought forward 11 1 (
Coarse brown clay			Seggar clay 0 4 0
Fine brown clay	1 3 0 -		Post girdle 0 0 10
Coarse stony blue clay	2 3 0		Blue metal $\left\{\begin{array}{cccc} 0 & 2 & 4 \\ \end{array}\right.$
Fine fire clay	0 5 0		0 0 8
Scamy post girdles	0 0 11		Cashy post 0 2 5
Blue metal	$0 \ 1 \ 4$		Whin girdle $0 \ 1 \ 0$ Blue metal $0 \ 3 \ 9$
Post girdle	$0 \ 1 \ 3$		Blue metal 0 3 9
Blue metal	$0 \ 0 \ 6$		COM 0 0 0
Post girdle	0 0 7		
Blue metal	0 2 0		2 3 5
COAL	$0  \overline{1}  \overline{1}$		Strong thill 0 3 5
	7	3 8	Seggar elay 0 3 2
Thill	0 4 0	9 0	Grey post 2 0 5
			Grey metal 2 5 6
Grey metal	$\begin{array}{cccc}0&2&8\\0&2&6\end{array}$		
Post girdle			Ft, In.
Strong grey metal	$0 \ 1 \ 4$		COAL
Post girdle	0  2  3		Band 0 2
Blue metal	$1 \ 2 \ 7$		$COAL \qquad \dots \qquad 1  6\frac{1}{2}$
COAL	0 0 6		0 3 3
	<del></del> 3	3 10	6 3 9
Carried for	ward 11	1 6	Carried forward 20 2 8

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,709.—SEATON DELAVAL.—CONTINUED.

Describt formerd	Fs.	Ft. I	n. Fs 20			n. 8	Brought forward	Fs.	Ft.	In. 1	Fs. 1		in. 7
Brought forward Soft thill stone	0	5 1		,	_		White post (crib bed)	0	4	0	,,	U	•
Strong stone, with	U	0 -	•				Grev metal	ŏ	$\hat{5}$	ŏ			
ironstone balls	0	5	8			- 1	White post	1	4	0			
Grey metal	ŏ	3 1					Blue metal, with post						
Grey post	0	2					girdles	1	1	0			
Blue metal	0	0 1	0				Black metal, very						
Post girdle	0	0 1					Jointy	1	5	6			
Blue metal	0	-	2				White post, mixed	_		_			
Post girdle	0		6				with whin	1	4	6			
Blue metal	0	0 1	-				Blue metal and post	-		0			
COAL	0	1	1 - 9	,	3	8	girdle	1	3	6			
D 4	0	0	- 3 2	•	Э	0	White post, mixed with whin	3	5	10			
Post girdle	0		$\frac{2}{2}$			i	Blue metal	0		10			
Blue metal	U	U	4				COAL-Yard Seam	ŏ	3	4			
White post, whin 9 ft. three parts round pit	2	5	0							_	14	2	6
Strong white post	1	3	ŏ				Seggar clay	0	3	0		_	
Blue metal	õ	ŏ	8				Grey metal, the bot-						
White post	0	1	0				tom mixed with post						
Black stone, with post							girdles	3	0	0			
girdle	0	4	5				COAL	0	1	2			
Grey metal, with post							a	_			3	4	2
girdle	2	4	0				Grey metal	5	1	7			
Mussel bed	0	2	0				COAL—Bensham	0		11			
Black stone	1	0	0				Seam	0	Z	11	5	4	6
COAL	0	1	2	9	3	7	Slaty band	0	0	11	J	-10	U
Deals post	2	3 ]		o	о	•	Black metal, mixed	U	U	11			
Dark post Blue metal	1		0				with post	0	0	6			
High Main Seam—		-32	U				Strong white post	2	2	2			
Ft. In							COAL	0	2	4			
COAL, good 0 6								_			2	5	11
Splint 0 4 COAL, good 1 6							Grey metal	1	0	0			
COAL, good 1 6							Post girdles and metal						
Band 0 2							partings	2	1	0			
COAL, good 1 8		4	o				Blue metal, with iron			•			
	0	4	2	5	0	0	girdles	1		10			
Grey thill	3	3	0	**	U	U	COAL	0	0	5	5	Δ	3
Grey metal		4					Post girdles, with				J	0	J
Whin, 14 ft. on one							metal partings		2	2			
side and 5 ft. on the							COAL	_					
other side of pit		2	2				Strong dark grey metal						
Grey post, with metal							Strong white post		0	0			
partings	5	<b>2</b>	<b>2</b>				Whin girdle		1	6			
White post, walled	l .						Strong white post	1	1	6			
3 ft. in			0				Whin girdle		1	0			
Black stone	. 0	5	4				Strong white post,						
Grey post, with blue		0	c				with whin balls	Ţ			,		
and yellow balls		2	6				Mussel bed						
Grey post, strong and	-	. 5	8				COAL	. 0	) C	1;	6	4	1
COAL			8				Grey metal, with pos	. —			O	4	1
	_			25	5	4	girdle		4	2			
Grey thill	. 0	2	2	-			White post	_					
Post girdle, with meta							Whin						
partings	. 2	0	10				White post						
COAL	. (	0	4				Dark grey metal		) ]	. 0			
	-			<b>2</b>	3	4					_		
0		· ····································		er.	0	7	Carried forward	_	ı E	2	10	5	$\frac{1}{4} 0$
Carried fo	)rw8	ır(l		6 <b>7</b>	U	, ,	Carried for ward			_		•	_ ,
											J		

# No. 1,709.—SEATON DELAVAL.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft. In Brought forward 1 1 9 116 0 2
Brought forward				105	4	U	Dark grey metal, with
White post	0	2	10				post girdle 0 5 5
Dark grey metal	Ü	$\frac{1}{3}$	U				Mussel bed 0 0 4
strong white post	2	3	3				
Low Main Seam-							
Ft. In.							1.2.4.0.00
COAL, grey 0 4							Soft dark grey metal,
COAL, good 3 $3\frac{1}{2}$	•						with post girdles 0 4 10
Parting.							Soft grey metal 0 1 6
COAL, good 1 7							Plessy Seam-
Parting.							
COAL, good 0 6	_	_					COAL I 2
	0	5	9				
				9	0	0	Band 0 1 COAL 1 3
				114	4	0	
Sump:-							Band 0 9
COAL, mixed with		_					COAL 2 0
black stone		_	0				
Dark grey metal		4					- 0 5 7
COAL	0	0	4				Thill 0 1
	-			1	$^2$	<b>2</b>	1 mii 0 1
Strong grey metal,							
with post girdle	1	1					
Whin girdle		0	4				
			9	116			Total 122 5

## No. 1,710.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored near Seghill North Boundary, by Thomas Wake. 1700.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Earth 0 5 0 Grey stone 1 2 0 5 Strong post ... 1 0 Grey metal Ft. In. COAL 2 6 Metal 1 6 COAL 1 6 5 Grey thill White post 1 0 0Carried forward 1

			Fs.	Ft.	In.	Fs.	Ft.	In
Broug	ht for	ward	1	2	0	6	5	0
Grey post			1	0	0			
Blue stone			1	0	0			
Black meta	1		0	2	0			
Grey stone			0	3	0			
Post girdle	s		0	5	0			
Black meta			1	0	0			
Black meta	l		1	1	0			
COAL			0	4	0			
					_	7	5	0
Grey thill						0	3	0

15

Total ...

## No. 1,711.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 29", Long. 1° 33′ 27".

First Hole bored at Seghill, about 440 yards to the South-west of the Old Hall, by George Rawlings, junior. May 6th, 1809.

Approximate surface level 157 feet above sea (Ordnance datum).

													-
Q 21 4 -l				Fs.	Ft.	In.	D	Fs.	Ft.	In.	Fs.	Ft.	
Soil and clay		5					Brought forward	10	U	4	25	3	8
Blue stony clay	2	4	0				Grey Seam— Ft. In.						
Grey metal stone (3							COAL 0 6						
fathoms of round	-	_	_				COAL, coarse						
boxes put in)	1	5					splinty, with						
Black shivery metal	0		10				water 2 8						
COAL	0	1	2	_				0	3	$^{2}$			
			<del>-</del>	6	0	5					10	3	6
Grey metal			7				Grey metal	1	0	0			
Brown post	4	3	0				Grey metal stone	2		10			
Grey metal stone, with							COAL	0	1	3			
strong grey post											3	5	1
girdles and water							Grey metal	0	1	0			
near the bottom	5	3	6				Strong grey metal						
Dark grey metal	1	4	6				stone	1	1	0			
Ft. In.							Dark grey shivery						
COAL, with							metal	0	5	6			
water 1 0							Grey metal	0	1	6			
COAL, foul 0 4							White post, with water	0	4	0			
	0	1	4				Strong white post,						
				13	1	11	mixed with whin	0	0	3			
Grey metal and metal					_		White and grey post	ĭ	4	_			
stone, with post gir-							Grey metal, with hard	_	•	·			
dles and water	1	5	2				girdles	1	Λ	10			
Whin (2 shifts)	0	0	5				Darkish metal, scared	_	U	10			
Grey metal stone, with	U	U	J				with coal	0	4	0			
	2	2	6				Whitish grey post	1	4				
Black grey metal	0	0	3				Whin (22 shifts)	0	2	_			
COAL (rather brassy	U	U	J				White and grey post,	U	4	U			
							with black scares	0	1	6			
near the top)—High Main Coal Seam	^	0	^						0	6			
Main Coat Seam	0	3	0		_	4	Black stone	0	1	6			
C	_			4	5	4	Darkish grey post	0	1	0			
Grey metal, with some		^	_				White post, mixed with						
scares of coal	1	0	0				whin girdles and		-				
COAL, with scares		_	_				beds of metal stone	2	1	2			
of metal	0	2	0	_	_		Whitish post, with	^	0				
(2.0)	_		_	1	<b>2</b>	0	grey scares	0	$^2$	$^2$			
Soft grey metal	0	1	6				Yard Coal—						
Grey metal stone, with	0	1	10				COAL, with Ft. In.						
girdles (29 fms. 4 ft.	$\frac{1}{3}$	5	0			*	water 2 0						
round boxes put in)	) 3	J	U				COAL, coarse						
Whin mixture (eight							splinty 0 4	_	_				
shifts)	0	2	2					0	2	4		_	
Grey metal and metal											12	2	- 9
stone, with strong							Grey metal	0	3	0			
post girdles and wa-							Grey metal stone, with			_			
ter near the bottom		0	0				post girdles	1		_			
Strong white post	0	4	0				White post		4				
Grey metal	0	3	10				Grey metal	0	0	4			
•											_		_
Carried forward	10	0	4	25	3	8	Carried forward	3	0	6	52	3	0

\* Approximate sea level (Ordnance datum).

## No. 1,711.—SEGHILL.—CONTINUED.

Brought forward Ft. In.					Ft.		Brought forward 65 4 Grey metal, with small
COAL 1 0							scares of coal 0 1 0
rev metal,							Dark grey metal,
mixed with							mixed with coal 0 0 6
coal 1 0							Grey metal 0 2 6
	0	<b>2</b>	0	_	-		Grey metal stone, with
		_	_	3	2	6	girdles 2 0 3
rey metal	0	1	0				
rey metal stone, with	4	3	0				2 4
post girdles Whin and white post	-E	o	0				
mixture (5 shifts)	0	1	2				Grey metal and metal
Vhin (14 shifts)	Õ	3	6				stone, with thin post
trong grey metal							girdles 2 3 4
stone	3		6				Soft grey metal 1 2 6 White post 3 2 6
rey metal	0	1	1				White post 3 2 6 Whin and white post
Tartley Stone Coal-							$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Ft. In.							Strong white post 2 0 0
COAL 0 7							Whin mixture 0 0 5
Dark grey metal 0 2							In strong white post 0 2 0
COAL, splinty							10 3
with small							10 8
white scares 1 9							
Grey metal, with some							
small scares							
of coal 1 0							
COAL, witha							
small feeder							
of water near							
the top 2 3							
COAL, foul 0 3		_	_				
-	1	0	0	0	~	0	
•			_	9	5	3	
Carried forv	vo re	4		 65	4	9	Total 79 0
Carried 101V	1 661 (			00	Ŧ	J	10001 70 0

## No. 1,712.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 7", Long. 1° 32' 33".

Account of the Second Hole bored in Seghill Estate, about 150 yards to the West from the Mare Close, and in the North-east corner of the West Haugh Field, by George Rawlings, junior. August 10th, 1809.

Approximate surface level 132 feet above sea (Ordnance datum).

Soil 0 2 0 Sand, with water 0 3 0	Brought forward 0 5 0 Stony clay, with whin tumblers 6 1 9	Fs.	Ft.	In.
	0 1 9	7	0	9
Carried forward 0 5 6	Carried forward	7	0	9

# No. 1,712.—SEGHILL.—CONTINUED.

							Total Care Care Care Care Care Care Care Care						
Downaht forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	
Brought forward				•	•	U	Brought forward Grey Seam—	14	9	10	29	z	7
Brown post, with open							COAL 11						
gullets and set away							COAL, with Ft. In.						
the water at 11	c	4	c				water 3 4						
fathoms	6	4	6				Grey metal 1 0						
Grey metal, with white	0	-	0				COAL, with						
post girdles	2	1	0				a hard brassy						
White post, with water	1	4	0				band at 26						
Dark grey metal	2	3	0				inches from						
COAL, with a strong			_				the top 2 8						
feeder of water	0	0	9		_			1	1	0			
				13	1	3		_			15	4	10
Grey metal, with water	0	5	6				Black metal, mixed						
Strong grey post gir-	10	4	6				with foul coal	0	0	6			
dles and metal stone,	$\frac{3}{3}$	2	0			*	Grey metal	0	4	0			
with water	,	4	U				Grey post	<b>4</b>	4	0			
Mixture whin (3 shifts)	0	1	4				Bluish grey metal and						
Blue grey post, with							thin whin girdles	1	0	0			
water	0	3	8				Black metal	0	3	0			
oft brownish grey							Blue metal and metal						
metal, with a strong							stone	1	3	0			
feeder of water	1	2	0				Strong white post	0	3	Ō			
							Whin (got Oct. 13th,						
High Main Seam-							through Oct. 27th,						
COAL, with Ft. In.							26 shifts)	0	1	8			
water 3 0							White post, with part-	•	-	0			
Dark grey							ings of metal	0	3	0			
metal 0 2							Grey metal and metal	U	0	0			
COAL 0 1							stone, with iron-						
Shivery dark													
metal, mixed							1 1	2	0	0			
with coal 0 9							lumps	4	U	U			
COAL, foul							COAL, with sulphur						
slaty, with							in the middle—	^		_			
bands of							Yard Coal	0	<b>2</b>	5	10	_	
metal 1 8											12	0	7
	0	5	8				Grey metal	0	1	6			
				8	0	8	Grey metal stone, with	_					
Grey metal, with small				-			post girdles	<b>2</b>	4	6			
0 2	0	0	6				Strong white post,						
	U	U	U				mixed with whin in						
COAL, foul and							some places	3	3	0			
brassy, mixed with	0	Ω	5				Whin and white post						
metal	0	0	Ð				mixture	0	1	3			
drey metal, scared	_	4	_				White post	5	1	1			
with coal	0	4	0				Grey metal	0	0	9			
COAL, foul slaty	0	1	0	_	_		Grey metal, mixed						
				0	ð	11	with coal	. 0	2	3			
Grey metal, with post							Grey metal	0	2	3			
girdles and water	2	3	5				COAL	Õ	1	8			
Bluish and whitish								-			13	0	3
grey post, with water							Grey metal	0	5	0		-	_
and hard whin gir-							Grey metal stone	ŏ	3	ŏ			
31	9	0	3				A dun white girdle	ő	0	5			
Grey metal, with post		0	9				1 4 1 1	ő	5	ő			
oriedles	0	4	0				3377 *4	o	3	6			
girdles		2						U	9	J			
White post	2	4	0				Whin and white post	0	0	8			
Dark grey metal, with		^	o				mixture	0	U	ø	2	ĸ	h
post girdles	0	0	2								_4	5	7
Comical forms	14	0	10	00	-		Total				72	1	10
Carried forward	14	3	ΤÛ	<b>2</b> 9	2	7	Total		•••	=	73	Т	10

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,713.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnauce Map. Lat.  $55^{\circ}$  3′ 47″, Long.  $1^{\circ}$  33′ 2″.

Account of Third Hole bored in Seghill Estate, about midway between the First and Second Holes, by George Rawlings, junior. August 15th, 1810.

Approximate surface level 150 feet above sea (Ordnance datum).

Soil	0	Ft.	In.	Fs.	Ft.	In.	Brought forward 13 4 2 21 1 10
Sandy ramble	0	2	0	0	3	0	COAL, with water near the top and small scares of brass
Brown post, with sandy partings and a strong feeder of	0		•				in some places— Grey Seam 0 3 10
COAL	0		0 4 —	0	4	4	Grey metal 0 3 0  COAL 0 0 8
Brown post, with partings	2	2	8				0 3 8
Grey metal and metal stone, with girdles	9	2	0				Grey metal stone, with strong white post
COAL	ŏ —		2	11	5	10	girdles 3 4 6 Black metal stone, with
Grey metal stone, with					Ū	10	hard whin girdles 2 0 0 COAL 0 1 3
White thready post	U	4	0				5 5 9
and set away the		3	8				Grey metal 0 1 0 Grey metal stone, with
Whin (4 shifts) Grey metal stone and grey metal with	0	U	5				white post girdles and water 3 1 9 COAL, with water 0 2 0
post girdles Darkish grey metal	<b>4</b> 0		3 0				3 4 9
water with	0	1	0				Grey metal 0 1 0 Grey metal stone, with
Dark grey and black metal, with scares of coal	1	1	0				beds of white and grey post with water 2 1 6
COAL, with scares and bands of metal	1	1	U				2 3 9
	0	3	4	8	0	8	Grey metal stone, with girdles near the top 4 0 0
Darkish grey metal	1	4	0	Ū	·	Ü	Whin mixture 0 0 10 Grey metal stone, with
Grey metal stone, with post girdles and metal partings	} =	0 2	0			*	post girdles 4 1 5 White post 2 0 0
Dunnish white post Dun whin mixture (6	0	2	6				Grey metal stone, with thin white post
shifts) Strong grey post, with	0	0	11				girdles 0 5 0
water	<b>5</b>	0	7				
Carried forward	13	4	2	21	1	10	Carried forward 11 1 3 48 3 9

<sup>\*</sup> Approximate sca level (Ordnance datum).

#### No. 1,713.—SEGHILL.—CONTINUED.

Brought forward 11 1 3 48 3 9  Hartley Stone Coal—  COAL, coarse Ft. In. splinty 2 9  COAL, foul, with black metal 0 4  Darkish grey metal 1 3  COAL 2 4  COAL, foul 0 4  ——————————————————————————————————	Brought forward  Bored further:—  Strata 9 4 3  Hartley Main Coal  or 5/4 Seam Ft. In.  COAL, with water 1 9  Grey metal 0 9  COAL 0 10  Grey metal, scared with coal 0 9  COAL, coarse
Carried forward 61 0 0	Total 71 3 11

## No. 1,714.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 35″, Long. 1° 33′ 57″.

Account of the Fourth Hole bored to the Coal Seams in Seghill Estate, about 560 yards West from the Quarry at the West End of the Town Street, on the South side of the Road and in the North corner of Loaning End Close. June 2nd, 1823.

Approximate surface level 164 feet above sea (Ordnance datum).

oil	Fs.		In.	Fs.	Ft.	In.	Fs. Ft. In Brought forward	. Fs. 14		Ir
Brown strong clay		5					Grey metal 0 1 4		_	
Blue stony clay	_	3					White post girdles			
	_			4	3	0	and beds of metal			
OAL, foul	0	0	6				stone 1 0 6			
Black slaty metal		0	6				Whin 0 0 7			
OAL	0	1	3				Dark grey metal and			
				0	2	3	metal stone with			
rey metal, scared							girdles 3 4 11			
with coal the first							COAL, brass and foul 0 1 5			
6 inches	1	1	0					5	2	
Brown post and part-							Grey metal and metal			
ings, and water at							stone 2 0 0			
10 feet from the top	6	0	0				Black grey metal 0 2 6			
Blue metal and metal							COAL, with scares of			
stone		0	6				brass—High Main			
OAL, foul brassy	0	0	5				Coal 0 2 3			
				9	1	11		$^{2}$	4	
				_						_
Carried for	war	h		14	1	2	Carried forward	22	2	

# No. 1,714.—SEGHILL.—Continued.

Brought forward Grey metal stone, with thin girdles for 2 fathoms and some seares of coal near the top								
Brought forward Grey metal stone, with thin girdles for 2 fathoms and some seares of coal near the top		Fs.	Ft.	In.		Ft.	In.	Fs. Ft. In. Fs. Ft. In
Grey metal stone, with thin girdles for 2 fathons and some seares of coal near the top 4 2 4 Grey metal, mixed with metal 0 1 6 Grey metal 0 1 6 Grey metal 0 2 5 Grey metal 0 2 5 Grey metal 0 0 3 Grey metal and metal stone, with post girdles 0 0 0 3 Grey metal and metal stone, with post girdles 0 0 0 3 Grey metal and metal stone, with post girdles 0 1 0 Grey metal stone, with post girdles 0 1 0 Grey metal stone, with post girdles 0 1 0 Grey metal stone, with post girdles 0 1 0 Grey metal 0 0 6 Grey metal stone, with post girdles 0 1 0 Grey metal stone, with post girdles 0 1 0 Grey metal 0 0 6 Grey metal stone, with post girdles 0 1 0 Grey metal 0 1 0 Grey metal stone, with post girdles and water 0 1 0 Grey metal metal stone, with post girdles and water 0 1 0 Grey metal metal 0 1 0 Grey metal 0 1 0 Grey metal 0 1 0 Grey metal metal stone, with post girdles and water 0 1 0 Grey metal metal stone, with post girdles 0 1 0 Grey metal stone, with post girdles 0 0 0 1 8 Grey metal 0 1 0 Grey	Brought forward							Brought forward 7 0 10 40 4 4
Strong metal stone, with post girdles and metal stone, with post girdles and metal stone, with post girdles and metal stone, with post girdles								Black stone 0 1 0
fathoms and some scares of coal near the top								
Scares of coal near the top								
the top								
Strong grey post, with hard white post and whin girdles 0 4 0		4	9	1				
With coal       0   1   6   6   6   6   6   6   6   7   6   6		4	4	120				
Grey metal		^	-	c				
Grey metal	with coal							
Dark blue metal	Crow motel	0		_			*	
Dark blue metal     0   1   6	Grey metal }	0	2	6				
C O A L , soft foul, mixed with metal, except the last 6 inches 0 2 5 Grey metal 0 0 3 3 Grey metal and metal stone, with post girdles 0 1 8 Black slaty metal 0 0 3 Grey metal 0 0 6 Black slaty metal 0 1 3 Grey seam— Ft. In. COAL 0 8 COAL, danty, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 1 3 Grey metal 0 2 COAL, with water 1 3 8 Grey metal 0 3 Grey metal 0 5 Grey metal 0 5 Grey metal 0 0 3 Grey metal 0 0 0 8 Grey metal 0 0 0 8 Grey metal 0 0 0 8 Grey metal 0 0 0 3 Grey metal stone, with post girdles mear bottom 0 4 6 Grey metal 0 0 0 8 Grey metal 0 0 0 3 Grey metal 0 0 0 8 Grey metal 0 0 0 3 Grey metal 0 0 0 8 Grey metal 0 0 0 3 Gr	Dark blue metal	-						hard girdles 5 0 0
Grey metal       0   0   9   5		J	-					White post 0 1 0
Mixed with last 6   inches								
Steep the last of inches	mixed with metal,							
Coal			0	-				
GOAL	inches							
Coal								
Grey metal and metal stone, with post girdles		0	0	3				
Stone   with post girdles       3   4   4								
Since   Sinc								
Stone grey metal stone, inclining to post, with metal partings 4 0 6		3	4	4				Grey metal and metal
Simple   S		-	-	-				stone, with post
Minimum   Mini								
White post 0 4 0  Grey and dark grey metal 1 0 8  Black slaty metal stone 0 1 3  Grey Seam— Ft. In.  COAL 0 8  COAL, danty, mixed with black metal 0 2  COAL, mixed with black stone and sulphur 2 5  Dark grey metal 0 2  COAL, mixed with black stone and sulphur 0 3  Grey metal 4 9  COAL 1 6  Grey metal 4 9  COAL 1 6  Grey metal 0 3 10  White scares of coal 0 3 10  White scares of coal 0 3 10  White scares of coal 0 3 10  White post 1 4 0  White post 1 4 0  COAL 0 6  Black slaty metal, mixed with coal 0 2  COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6  COAL, foul brassy 0 3  Dark grey metal 1 1  COAL, with water 2 1  COAL, soft foul 0 5  Grey metal, with thin girdles near bottom 0 4 6  COAL 0 0 2  Grey metal, with iron- stone girdles 2 1 0  Black slaty metal, mixed with coal 0 2  COAL, with water 0 3  Dark grey metal 1 1  COAL, soft foul 0 5  Grey metal, with thin girdles near bottom 0 4 6  COAL 0 0 0 2  Grey metal, with iron- stone girdles 2 1 0  Black slaty metal, mixed with coal 0 2  COAL, with water 0 3  Dark grey metal 1 1  COAL, with water 2 1  COAL, soft foul 0 5  COAL 0 0 2  Grey metal, with thin girdles near bottom 0 4 6  COAL 0 0 0 2  Grey metal, with iron- stone girdles 2 1 0  Blackislaty metal, mixed with coal 0 2  COAL 0 0 3  Dark grey metal 1 1  COAL, with water 2 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal 1 1  COAL 0 0 3  Dark grey metal		4	Λ	c				
Grey and dark grey metal		-						
Metal		U	4	U				
Black   slaty   metal   stone       0   1   3     Grey Seam — Ft. In.   COAL, danty, mixed with   black metal   0   2     COAL, danty, mixed with   black metal   0   2     COAL, mixed   with black stone   and sulphur     2   5     Dark grey   metal     0   2     COAL, mixed   with black stone   and sulphur     0   3     Grey metal     1   6     Grey metal     1   6     Grey metal     1   1   0     Grey metal     1   1   0     Grey metal     1   3   8     Dark metal, with scares of coal     0   3   10     Whin (18 shifts)     0   2   4     Strong white post and beds of metal stone, with water     1   4   0     Coal   metal, mixed with cal     0   2     Coal, with water     0   3     Coal	Grey and dark grey		_	_				
Stone       0   1   3	metal	1	0	8				Black slaty
Stone       0   1   3								metal, mixed
Grey Seam— COAL         Ft. In.         COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6           COAL, mixed with black stone and sulphur 2 5         Dark grey metal 0 2         COAL, foul brassy 0 3         COAL 0 3           COAL mixed with black stone and sulphur 0 3         Grey metal 4 9         COAL 1 6         COAL, with water 2 1           COAL 1 6         COAL, soft foul 0 5         COAL, with water 2 1         COAL, with water 2 1           Grey metal 4 9         COAL 0 5         Grey metal, with thin girdles near bottom 0 4 6         Grey metal, with thin girdles near bottom 0 4 6         Grey metal, with ironstone girdles 2 1 0         Blackish metal, mixed with foul coal 0 0 8         Blackish metal, mixed with foul coal 0 0 8         Grey metal 1 1 0         Grey metal 1 1 0         In whin girdles 0 0 3		0	1	3				with coal 0 2
COAL          0         8           COAL, danty, mixed with black metal         0         2           COAL, mixed with black stone and sulphur         2         5           Dark grey metal         0         2           COAL, mixed with black stone and sulphur         0         3           Grey metal         4         9           COAL         1         6           COAL         1         6           COAL         1         1           Grey metal         4         9           COAL         1         1           Grey metal         0         3           Grey metal         0         3           Grey metal         0         3           Grey metal         0         4           Grey metal, with thin girdles near bottom 0         4         6           COAL         0         0         2           Grey metal, with thin girdles near bottom 0         4         6           COAL         0         0         2           Grey metal, with ironstone girdles         2         1           Blackish metal, with foul coal         0         0           White post								
Small white   Scares, rather   Scares of t   and   danty   from   Stone   and   sulphur   2   5   Dark   grey   metal     0   2   COAL, mixed   with black   stone   and   sulphur   0   2   COAL, mixed   with black   stone   and   sulphur   0   3   Grey metal   4   9   COAL     1   6   Grey metal   1   1   0   Grey metal   1   1   0   0   1   0   0   2   0   0   0   0   0   0   0								
Scares, rather   Soft   and   danty from   Store   and   danty from   Store   and   sulphur   2 5   5   5   5   5   5   5   5   5	COAL denty							
Soft and danty from   Sto 12 ins. 1 6								
COAL, mixed with black stone and sulphur 2 5   Dark grey metal 0 2   COAL, mixed with black stone and sulphur 0 3   COAL 0 3   Dark grey metal 1 1   COAL, with water 2 1   COAL, with water 2 1   COAL, soft foul 0 5   COAL 0 5   COAL 0 5								
with black stone and sulphur 2 5       8 to 12 ins. 1 6         Dark grey metal 0 2       COAL, foul brassy 0 3         COAL, mixed with black stone and sulphur 0 3       Dark grey metal 1 1         Grey metal 4 9       COAL, with water 2 1         COAL, soft foul 0 5       COAL, soft foul 0 5         Grey metal 1 1 0       Grey metal, with thin girdles near bottom 0 4 6         Grey post, with partings and water 1 3 8       Grey metal, with trionstone girdles near bottom 0 4 6         Dark metal, with scares of coal 0 3 10       Blackish metal, mixed with foul coal 0 0 8         Whitish grey post 1 4 0       Blackish metal, mixed with foul coal 0 0 8         White post and beds of metal stone, with water 1 4 0       White post 0 2 3         In whin girdles 0 0 3       In whin girdles 0 0 3								1
Stone and sulphur 2 5   Dark grey metal 0 2   COAL, mixed with black stone and sulphur 0 3   Grey metal 1 0   Grey metal 1 1 0   Grey metal, with partings and water 1 3 8   Dark metal, with scares of coal 0 3 10   Whitish grey post and beds of metal stone, with water 1 4 0   White post and beds of metal stone, with water 1 4 0   COAL with brassy 0 3   Dark grey metal 1 1   COAL, with water 2 1   COAL, soft foul 0 5   COAL 0 5   TOAL 0 5   TOAL 0 5   TOAL 0 5   TOAL 0 0 0 2   TOAL 0 0 0 3   TOAL 0								
Sulphur   2   5   5   5   5   5   5   5   5   5	with black							
Sulphur   2   5   5   5   5   5   5   5   5   5	stone and							COAL, foul
Dark grey metal         0         2           COAL, mixed with black stone and sulphur         0         3           Grey metal         4         9           COAL         1         6           —         1         3           1         1         1           Grey metal         1         1           Grey metal         1         1           Grey metal         1         1           Grey metal         1         1           Grey metal, with thin girdles near bottom         0         4           Grey metal, with thin girdles near bottom         0         4           Grey metal, with thin girdles near bottom         0         2           Grey metal, with ironstone girdles         2         1           Stone girdles         2         1           Whitish grey post         1         4           White post and beds of metal stone, with water         1         4           White post and beds of metal stone, with water         1         4								brassy 0 3
Dark   grey   metal     1   1   COAL, with   water     2   1   COAL, soft   foul     0   5   COAL     1   1   0   0   0   0   0   0   0   0								0041
COAL, mixed with black stone and sulphur 0 3 Grey metal 1 0 Grey metal 1 1 0 Grey post, with partings and water 1 3 8 Dark metal, with scares of coal 0 3 10 Whitish grey post 1 4 0 Whit (18 shifts) 0 2 4 Strong white post and beds of metal stone, with water 1 4 0								D 1
with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6								
stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 1 1 0 Grey metal 1 1 1 0 Grey post, with partings and water 1 3 8 Dark metal, with scares of coal 0 3 10 Whitish grey post 1 4 0 Whin (18 shifts) 0 2 4 Strong white post and beds of metal stone, with water 1 4 0	with blook							
Sulphur 0 3   Grey metal 4 9   COAL 1 6								
Grey metal 4 9  COAL 1 6								
Grey metal 1 1 0  Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  White water 1 4 0  Coal and a stone, with water 1 4 0  Coal and a stone, with water 1 4 0  Coal and a stone, with water 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0  Coal and a stone, with mater 1 4 0								
Grey metal 1 1 0  Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  (1 in the metal of the coal of t								
Grey metal 1 1 0  Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  White word and the strong with water 1 4 0  Coal 0 0 2 2  Grey metal, with thin girdles near bottom 0 4 6  Coal 0 0 2  Grey metal, with thin girdles 0 0 2  Blackish metal, mixed with foul coal 0 0 8  Grey metal 1 1 0  White post 0 2 3  In whin girdles 0 0 3  In whin girdles 0 0 3	COAL 1 6							1 0 3
Grey metal 1 1 0  Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  White water 1 4 0  Coal M 0 0 2  Grey metal, with thin girdles near bottom 0 4 6  COAL 0 0 2  Grey metal, with iron-stone girdles 2 1 0  Blackish metal, mixed with foul coal 0 0 8  Grey metal 1 1 0  White post 0 2 3  In whin girdles 0 0 3  In whin girdles 0 0 3		1	3	11				11 -3 10
Grey metal 1 1 0 Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whit (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  White water 1 4 0  Coal 0 0 2  Grey metal, with ironstone girdles 2 1 0  Blackish metal, mixed with foul coal 0 0 8  Grey metal 1 1 0  White post 0 2 3  In whin girdles 0 0 3  In whin girdles 0 0 3					18	1	8	
Grey post, with partings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  (Coal of the ward of the standard of the s	Grev metal	1	1	0	-			
ings and water 1 3 8  Dark metal, with scares of coal 0 3 10  Whitish grey post 1 4 0  Whin (18 shifts) 0 2 4  Strong white post and beds of metal stone, with water 1 4 0  (1 in the metal of the strong white post and beds of metal stone) with water 1 4 0  (2 in the metal of the strong white post and beds of metal stone) with water 1 4 0		_	_					
Dark metal, with scares of coal 0 3 10         stone girdles 2 1 0           Whitish grey post 1 4 0         Blackish metal, mixed with foul coal 0 0 8           Whin (18 shifts) 0 2 4         Grey metal 1 1 0           Strong white post and beds of metal stone, with water 1 4 0         White post 0 2 3           In whin girdles 0 0 3         In whin girdles 0 0 3		1	3	Ω				
Seares of coal     0   3   10   Whitish grey post     1   4   0   Whin (18 shifts)     0   2   4   Strong white post and beds of metal stone, with water     1   4   0   0   0   3   In whin girdles     0   0   3   10   10   10   10   10		1	J	o				
Whitish grey post 1 4 0 Whit (18 shifts) 0 2 4 Strong white post and beds of metal stone, with water 1 4 0  White post 0 0 8 Grey metal 1 1 0 White post 0 2 3 In whin girdles 0 0 3		0	0	10				
Whin (18 shifts) 0 2 4 Strong white post and beds of metal stone, with water 1 4 0  Grey metal 1 1 0 White post 0 2 3 In whin girdles 0 0 3								
Strong white post and beds of metal stone, with water 1 4 0  White post 0 2 3  In whin girdles 0 0 3								
Strong white post and beds of metal stone, with water 1 4 0  White post 0 2 3  In whin girdles 0 0 3	Whin (18 shifts)	0	<b>2</b>	4				Grey metal 1 1 0
beds of metal stone, with water 1 4 0 In whin girdles 0 0 3	Strong white post and							
with water 1 4 0								
(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		1	4.	0				1 0 10
Carried forward 7 0 10 40 4 4 Total 72		_		_				4 5 10
10181 72	Carried forward	7	0	10	40	1.	1.	Total 70 0 1
	Carrica for mark	•	0	20	10		·r	Total <u>72 3 1</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,715.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 33″, Long. 1° 32′ 38″.

Account of the Fifth Hole in Seghill Estate, about 700 yards North-east from the First Hole, 14 yards from the North-east boundary, and 100 yards South from the North-east angle of Wellfield 450 West from Whitridge. June 19th, 1823.

Approximate surface level 147 feet above sea (Ordnance datum).

Soil and sandy clay		Ft. 1		Fs.	Ft.	In.	Brought forward 1 1 5 26 1 7
Brown and blue sandy clay	0	4	6				Grey metal stone 0 4 0 Dark grey and black
Stony clay, with scares of sand	2	1	3				metal, scared with coal 0 4 6
Blue grey whin tum- blers		1					Grey metal, with some
Blue stony clay Brown post, with	9	3	9				small scares of coal 1 0 0 Grey metal stone 1 0 0
sandy partings and a little water	3	0	0				Bluish grey post, with
Grey metal Dark grey metal, with		ĭ					water 7 2 9 Grey metal stone, inclining to post, with
dun girdles	$\frac{1}{0}$	5 0					water 0 5 0
	_		_	18	1	3	
Whitish grey metal Metal, with beds of	1	0	0				Grey Seam— COAL, with sulphur the Ft. In.
grey post	0	4	6				last 6 ins. 4 4
Blue grey jointy whin (4 shifts) Grey metal stone, with	0	0	10				Dark grey metal 0 7 COAL 2 10
post girdles	3	4	5				- 1 1 9
metal	0	2	0				20 1 3
Coal	0	2	0	6	1	9	Dark metal, mixed with coal at top 0 1 2
Grey metal, scared				_	_	-*	
with coal	1		3				_
COAL, foul		0	4	1	4	7	
Grey metal	0	1	5	-			
Blue, grey, and white post	1	0	0				
0.110		_	_	_			Markel 40 4 0
Carried forward	1	1	5	26	1	7	Total <u>46 4 0</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,716.—SEGHILL.

## TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 3′ 56", Long. 1° 32′ 44".

Account of the Sixth Hole in Seghill Estate (called the Ninth in Mr. Maddison's Account, bored in 1810) in South Dodderish Field, about 420 yards North-east from the Third Hole. September 17th, 1823.

Approximate surface level feet above sea (Ordnance datum).

G. 11	Fs. Ft.		Ft.	In.	Down ald for	Fs.	Ft.	In.	Fs.		
Soil	0 1	0			Brought forward	0	_	_	36	1	6
Brown stony clay	0 4	0			COAL, danty foul	0	0	5			
Sand, with water	0 2	0			Dark grey metal	_	4				
Blue stony clay	44	0			COAL	0	0	8			
Loamy sand	0 1	0			Grey metal and metal						
Blue stony-clay	3 3	6			stone, with thin						
Dark grey metal	0  0	8			girdles and water	3	0	5			
Strong grey post	0 1	2			White post	1	1	6			
Dark grey metal	1 0	8			Grey metal stone, with						
COAL, soft foul	$\overline{0}$ 1	0			water	1	0	6			
Grey metal	$\tilde{0}$ $\tilde{1}$	Ŏ			Black metal, with hard	-	·	•			
Grey post	0 3	ŏ			girdles	0	4	6			
Grey metal stone and	0 0	Ū			Grey metal and metal		*	U			
	3 4	6									
grey metal		0			stone, with post		_	•			
White and grey post	0 3	U			girdles	3	5	6			
Grey metal and metal					COAL, with water—		_	_			
stone, and set away					Yard Coal	0	2	5			
the water at $16\frac{1}{2}$		_			1				11	1	11
fathoms	1 4	9			Blue grey metal, with						
COAL, rather soft,					girdles	1	0	0			
with water — High					Black stone	0	2	0			
Main Coal	0 3	2			Grey metal stone and						
		- 18	2	5	grey post towards						
Soft grey metal	0 1	4	_	•	11. 1. 14	1	0	7			
COM	0 0	$\hat{3}$			Strong white post,	-	U	•			
Dark grey metal,	0 0	U			with water	6	1	0			
	1 0	0				U	1	U			
scared with coal	1 0	9			Grey metal stone, with						
COAL, brassy, Ft. In.					beds of strong white	_	_	_			
with water 1 0					post and water	3	2	0			
Dark grey me-					Handley Stand God						
tal 0 9					Hartley Stone Coal—						
COAL, foul 1 4					Ft. In.						
	0 3	1			COAL, danty 0 6						
		- 1	5	5	COAL 0 8						
Grey metal and metal					Dark grey						
stone, with post					metal 0 1						
girdles and water	4 1	2			COAL 1 2						
				<b>-</b> *	Dark grey						
Bluish grey post and					metal (sup-						
much water					posed to be						
Grey metal	0  0	4			on a dyke) 1 5						
Grey Seam—					COAL, rather						
COAL, with Ft. In.					soft the first						
water 3 10											
Grey metal 1 4					6 inches 1 10	0	بر	0			
COAL 2 4						0	5	8	10	_	
	1 1	6						-	12	5	3
		- 15	5	8							
		- 19	Ð	0							
Carried for	ward	36	1	6	Carried forward				60	2	8
			-	0	Carried for ward				UU	4	O

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,716.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In. Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward			60	$^{2}$	8	Brought forward 9 0 9 60 2 8
Dark grey metal	0	$^{2}$	0			Hartley Main Coal or
Grey metal stone, with						5/4 Seam— Ft. In.
thin girdles	1	2	0			COAL 1 10
Beds of strong white						Grey metal
post, mixed with						stone 1 0
whin and beds of						COAL 0 6
metal stone, with						Grey metal 0 4
water	1	5	6			COAL, with
Whin and white post						a small scare
mixture (10 shifts)	0	1	5			of brass at
Grey metal stone	1	0	0			6 ins. from
Whin (5 shifts)	0	0	6			the top 1 3
Grey metal stone, with						COAL, with
post girdles		5	0			a small me-
Grey metal	0	1	0			tal band at
COAL, foul	0	0	<b>4</b>			4 ins. from
Grey metal	0	1	0			the top 0 6
•						0 5 5
						10 0 2
						Dark grey metal,
						scared with coal 0 0 4
						In grey metal stone 0 4 0
						0 4 4
						Bored further: - 71 1 2
						Strata 15 3 4
Carried forward	9	0	9 60	2	8	Total 86 4 6
Currica for ward			2 00			

## No. 1,717.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Boring made in Seghill Estate, East of Cramlington Wagonway, near the Burn side. 1826.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs. Ft. In. Fs. Ft. In. 0 4 6	Fs. Ft. In. Fs. Ft. In. Brought forward 3 2 8 15 1 10
	0 4 6	Grey metal, mixed
Stony clay	5 3 11	with post and water 0 4 0
Brown post, with		White post 0 2 0
water	<b>5 1</b> 0	Grey whin $0 4 9\frac{1}{2}$
White post	2 2 8	White post $0.4  ext{ } 4\frac{1}{2}$
Blue metal	0 2 5	Grey metal, with thin
COAL		post girdles and
	15 1 10	water 3 3 11
Grey metal, mixed		COAL, rather soft—
with white post		High Main Seam 0 4 2
girdles		10 1 11
Black stone		Dark grey metal, with
Grey metal, mixed		coal pipe scares 0 1 10
		Grey metal 0 0 7
with post girdles Whin girdle	0 0 0	——— 0 2 5
whin girale	0 0 6	0 2 3
		-
Carried forward	3 2 8 15 1 10	Total 26 0 2

## No. 1,718.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 2″, Long. 1° 32′ 54″.

An Account of the Strata sunk through in the Engine Pit, Seghill Colliery. (From John Fryer's Account, which was taken from the original papers.)

Approximate surface level 130 feet above sea (Ordnance datum).

Outset 1 1 0 Blue clay 14 0 0 Freestone 0 0 6 Blue metal 1 0 0  COAL — High Main Seam 0 2 6	Brought forward Grey metal 0 4 9 Blue metal 0 4 6 Post girdle 0 0 6 Blue metal 0 4 7 Strong white post, with water 9 1 4
Blue metal 1 4 0  COAL 0 0 3  Grey metal 1 0 0  COAL 0 0 5  Blue metal 1 0 0  COAL 0 0 .5  Grey metal { 1 4 10  Strong white post 12 4 10	with water 9 1 4  Bensham Coal—  COAL 2 7  Black band 1 8  COAL 1 6  — 0 5 9  — 12 3 5  Grey metal, with thin
Grey Seam—  COAL 3 4  Blue band 0 6  COAL 3 4	post girdles and scares of whin 5 2 2 Whin girdle 0 0 5 Dark grey metal, with scares of post 0 4 7 Whin girdle 0 0 2 Dark grey metal 1 2 11 Whin girdle 0 0 2 Grey metal 0 4 3
Blue metal 0 3 3 3 COAL 0 0 5 Blue metal 0 2 6 Post girdle 0 1 2 Grey metal 1 2 11 Post 0 3 9 Grey metal 1 2 4 Whin girdle 0 1 4 Grey metal 0 0 4 Post girdle 0 0 2 Post girdle 0 0 2 Post girdle 0 0 2	Five-Quarter Seam—  COAL 1 1 Dark grey metal 0 11 COAL 1 10 Dark grey metal 0 10 COAL 0 8 Dark grey metal 0 4 COAL 1 9 ———————————————————————————————————
Grey metal 0 0 2 Grey metal 0 4 3 COAL 0 0 5 Grey metal 4 4 9 COAL — Yard Seam 0 2 10  Carried forward 49 0 3	Dark grey metal, mixed with thin scares of post 0 2 1 Grey metal, with post girdles 0 2 4 Post girdle 0 2 0  Carried forward 1 0 5 71 1 9

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,718.—SEGHILL.—CONTINUED.

	2 9 0 9 3 6 0 11		Brought forward Grey metal Post Grey metal Post Grey metal Post	0 1 1 4 0	1 2 2	$10 \\ 5$	0	
with layers of whin and thin post girdles 0 ost girdle 0 oark grey metal, with thin post girdles 0 orey metal, mixed with thin post girdle or or oark grey metal 0 oark grey metal 0	<ul><li>0</li><li>9</li><li>3</li><li>6</li></ul>		Post Grey metal Post Grey metal	1 4	$\frac{2}{2}$	5		
and thin post girdles ost girdle	<ul><li>0</li><li>9</li><li>3</li><li>6</li></ul>		Grey metal Post Grey metal	1 4	$\frac{2}{2}$	5		
ost girdle 0  Park grey metal, with thin post girdles 0  Vhin girdle 0  Vriew metal, mixed with thin post girdle with thin post girdles 0  Park grey metal 0	<ul><li>0</li><li>9</li><li>3</li><li>6</li></ul>		Post Grey metal	4	2	-		
ark grey metal, with thin post girdles 0 Whin girdle 0 erey metal, mixed with thin post girdles 0 dark grey metal 0	3 6		Grey metal		-			
thin post girdles 0 Whin girdle 0 rey metal, mixed with thin post gir- dles 0 ark grey metal 0			T .		0	8		
Thin girdle 0 rey metal, mixed with thin post gir- dles 0 ark grey metal 0				0	ĭ	7		
rey metal, mixed with thin post girdles 0 eark grey metal 0	0 11		Grey metal and post	U	-	•		
with thin post girdles 0 ark grey metal 0				Λ	ĸ	4		
dles 0 ark grey metal 0			girdles	0	5			
ark grey metal 0	0 0		Dark grey metal	0	2	TT		
0 0	2 0		Dark metal and post	^	_			
lack stone U	1 7	-	girdles	0	5	0		
	0 2		Grey post	0	4	0		
OAL 0	0 4		Grey metal and scares	_	_			
rey metal 0	2 2		of post	0	2	4		
rey post girdle 0	0 2		Grey metal	0	3	<b>2</b>		
ark grey metal,			Post	0	2	9		
mixed with post 0	0 10		Dark grey metal	0	5	6		
Thite post 0	0 2		Metal, with post	2	2	6		
ark grey metal,			Dark grey metal	0	4	5		
mixed with scares			Dark grey metal and					
of post 0	0 7		post	1	5	4		
ost 2	2 2		Grey metal	1	2	$\bar{6}$		
			White post	õ	4	7		
an Main Came			Grey metal and post	ŏ	î	5		
ow Main Seam—			Mild white post, with	0	-	U		
Ft. In.				5	Λ	10		
Jet $0 \ 2\frac{1}{2}$				U	U	10		
COAL 5 6			Dark grey metal and	3	_	2		
—— 0	$5 \ 8\frac{1}{2}$		girdles	9	5	5		
**		0 01	Ft. In.					
1	7	$0 \ 2\frac{1}{2}$	COAL, coarse 1 0					
Depth of pit to			COAL, good 1 0					
Low Main Seam	78	$111\frac{1}{2}$	<b>5072</b> , good:: 1 0	_	_	_		
		_		0	2	0		
						- 29	9 5	,
ored from the Thill								
of the Low Main			Grey metal	1	1	11		
Seam :-			Strong white post	1	4	0		
ump — blue metal			Dark grey metal	2	5	7		
( - 1)	0 6		Ft. In.		-	-		
	1 7		COAL, foul 0 1					
71 .	0 6		COAL, good 0 4					
			OCAL, good o 4	Λ	0	5		
lue metal 0	0 10		Dank anov motal	ŏ		10		
rey metal 0	2 8		Dark grey metal	U	120	10		
	1 4					6	3 4	L
rey metal 0	2 11						, ,	ł
hin 0	1 7							
rey metal and post								
girdles 0	1 7							
lue metal 0	2 7							
OAL 0	0 10							
		4 11						
	4	# 11						
Carried forward	83		Total			_	19 8	_

#### No. 1,719.—SEGHILL.

#### TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 44", Long. 1° 32′ 24".

An Account of Strata sunk through in the Success Pit, Seghill Colliery.

Approximate surface level 130 feet above sea (Ordnance datum).

Soil and sand			In. 0	Fs.	Ft.	In.	Brought forward 5 4 2 10 4 7 Black metal, with whin
Strong blue clay, with large tumbling stones	5	0	0				girdles 2 2 0 COAL 0 1 3
Freestone, with whin and water	3	0	0				Thill 0 3 0  Grey metal, with thin (2 1 0
Blue metal, with a little water							girdles { 2 1 0 1 *
COAL	0	0	7	10	4	7	Black metal 0 0 4 Blue metal 1 0 0
Thill Grey post, with part-	0	3	0				Strong grey metal stone 1 1 6
ings of blue metal and water Strong white post,	4	0	0				High Main Seam— Ft. In. COAL, good 6 0
mixed with whin and water	1	1	2				COAL, foul 0 6 1 0 6 6 0 5
Carried forward	5	4	2	10	4	7	Total 25 0 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,720.—SETTLINGSTONES.

TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. , Long.

Fleetgate or West Frederick Shaft, Settlingstones Mines.

Approximate surface level feet above sea (Ordnance datum).

o						Fs.		In.	Fs.	Ft.	In.
Clay and pla	ate	•••			 	3	0	0			
Freestone		•••	•••		 	9	0	0			
Plate		•••	•••		 	4	0	0			
Limestone			•••		 	5	3	0			
								_	21	3	0
				Total	 				21	3	0

## No. 1,721.—SETTLINGSTONES.

#### TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat.

, Long.

Winter's Shaft, Settlingstones Mines.

Approximate surface level feet above sea (Ordnance datum).

To I	t. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 32		Brought forward 79 1 6
Grey beds 8	9 0	Freestone 2 0 0
Limestone 1	0 0	Plate 7 3 0
Whetstone beds (al-		Limestone (so-called
tered shale) 0	3 0	Jew Limestone) 2 1 6
Great Whin Sill 25	0 0	Freestone 1 3 0
Whetstone beds (al-		Plate 2 0 0
tered shale) 5	3 0	Limestone 0 3 0
Plate 3		Freestone and plate
Limestone 1		(seven beds) 5 0 0
	3 0	100 0 0
Carried forward 79	1 6	Total 100 0 0

#### No. 1,722.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat.

, Long.

Sheepwash Estate Borings, adjoining the River Wansbeck. First Hole, at the low end of James Boutflower's Farm. November 11th, 1749.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay					• • •		4	3	6				
Stone							2	0	3				
Soft metal							0	3	0				
Stone							-	. 4	6				
Metal		•••	•••				3	5	ő				
COAL	•••	• • • •		•••	•••	•••		1	0				
COAL		• • •		•••	• • •	• • •	0	T	U				
										11	5	3	
												_	

Total

# No. 1,723.—SHEEPWASH.

## TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 6	64 of Or	dnance	е Мар.	Lat.		,	Lo	ng.	3			
Second Hole, ne	ar Anth	ony W	Vatson's Fi	Well, irst Ho	316 ya le.	rds te	o th	e Sa	outh	h- $w$	est j	ron
Appro	ximate s	urface	level	feet	above :	sea (C	rdn	anc	e da	atu	m).	
Clay Stone					•••		Fs. 9	Ft. 3 2	6 9	Fs 13	Ft,	In.
			Total			•••			=	13	0	3
		N <sub>0</sub>	1 794	gui	z E D W	7 A QI	ī					
	64 of O	HIP C	•	PWASH Lat.	, NORT -	нимн	BERI Loi	ıg.			T	
Third Hole, on	64 of O	HIP o	of shee ce Map. the Wh North	Lat.	, NORT - - Vaugh, Edge.	HUMI,	Loi	ıg.	<b>ch</b> a			rd, o
Third Hole, on	64 of O	HIP o	of shee ce Map. the Wh North	Lat.	, NORT - - Haugh,	HUMI,	Loi	ıg.	<b>ch</b> a			rd, o
Third Hole, on	64 of O	HIP o	of shee ce Map. the Wh North	Lat.	, NORT - - Vaugh, Edge.	HUMI,	Loi	ıg.	e da	tur	n).	

## No. 1,725.—SHEEPWASH.

#### TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map.	Lat. , Long.
Fourth Hole, near the Rock that is in t	the water side at the head of the Long Trail.
Approximate surface level	feet above sea (Ordnance datum).
Stone	Fs. Ft. In. Fs. Ft. In 8 0 0 0 1 0

Total

## No. 1,726.—SHERBURN.

#### TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Orduance Map.	Lat.	, Long.	
Sherburn Borings. First Hole, in Sou			
the from Mr. Hopper's F	${\it `arm \ House}.$	September 22nd,	<i>1828</i> .

Approximate surface level feet above sea (Ordnance datum).

Sheet 27 of Ordnance Map. Lat.

Soil			 	 Fs.	Ft.	In. 6	Fs.	Ft.	In.	
Blue and yellow s	tony cla	У	 	 0	3	0				
Rough gravel and		• • • • • • • • • • • • • • • • • • • •	 	 0	3	0				
Stony clay			 	 9	5	6				
Whin tumbler			 	 0	0	10				
Blue stony clay	•••		 	 0	1	4				
						_	11	2	2	
							_		_	
	,	[otal	 				11	2	2	

Abandoned on account of whin tumbler.

#### No. 1,727.—SHERBURN.

#### TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

# Second Hole, about 2 feet West from the first Hole. October 6th, 1828. Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Brought forward 22 0 0 13 0 6 0 6 Blue and yellow stony Three-Quarter Seam-3 0 elav n Rough gravel 0 3 COAL 6 ... 12 0 Stony clay ... Grey metal ... 0 2 COAL 0 3 - 13 0 6 Dark grey metalCOAL Post girdle ... 0 Soft blue and brown Grey metal, metal, with scares scared with of red near the top coal $\mathbf{a}$ nd grey COAL 0 thready and gulletty Grey metal, post, and set away scared with the water, the air coal first 5 descending alsoinches 1 ... raised more water COAL 0 2 Grey metal ... near the bottom ... 0 0 11 Dun coloured whin ... COAL 0 2 Brown post, with two 0 4 metal partings and 22 4 a soft sandy parting of 1 yard at 231 Grey metal ... 0 0 2 fathoms down from Five-Quarter Seam top of hole 3 9 COAL, foul Soft metal and metal the 1169. stone girdles, with bottom 3 10 water 5 4 0 3 10 Grev metal stone, inclining to post, with 0 water 3 Grey metal ... O 0 Soft brown post, with Metal stone ... 0 metal partings and 0 Whitish grey post water Whin 0 Soft grey metal, with Grey post, with water 0 0 seares of coal and Blue metal ... 0 0 thin girdles near the Whitish grey post, 4 3 bottom with water 1 Stony white post 1 0 Whin 1 0 White post, with a strong feeder of water at  $47\frac{1}{2}$  fms.... 5 1 13 1 6

Abandoned from having run together.

22

0 0 13 0

Carried forward

Total ...

49

#### No. 1,728.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map.	Lat.	, Long.
---------------------------	------	---------

Account of the Third Hole, about 500 yards South-east from the Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Total ... ... ... <u>11 2 7</u>

Abandoned.

#### No. 1,729.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of the Fourth Hole, to South-east from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Blue and brown stony clay, mixed with sand ... 1 2 0

Strong blue stony clay, mixed with a whin tumbler of 10 ins. at 6 fms. 6 ins. from top ... ... 5 4 0

Brown sand, with water near the bottom ... ... 5 0 2

12 0 2

Total ... ...

Abandoned.

## No. 1,730.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of the Fifth Hole, about 500 yards North from the First Hole. Begun February 10th; finished October 17th, 1829.

Approximate surface level feet above sea (Ordnance datum).

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 0 2 6 Blue stony clay 17 5 6
Carried forward 0 2 6	Carried forward 18 2 0

# No. 1,730.—SHERBURN.—Continued.

	- 1	٠.	-,.						
	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs.	Ft.	In
Brought forward	_	_	_	18	<b>2</b>	0	Brought forward 68	2	
oft sandy brown post	1	2	0				Strong white post 2 5 5		
rey metal	0	3	0				Whin 0 0 9		
own and grey scared							Strong grey post 1 4 0		
post, with metal							Whin 0 1 4		
partings, and set							Strong grey post 1 5 11		
away the water at							Soft dark metal 0 2 0		
a b a	6	5	0				Ft. In.		
	0	U	U				COAL, brassy 0 7		
hite and grey post,									
with brown part-							COAL, strong		
ings and water at	_	_					coarse 1 3		
30 fms	5	0	4				COAL 0 5		
rey metal stone	0	3	0				0 2 3		
rey metal	0	0	8				<del></del> 7	3	
							Grey metal 0 0 6		
hree-Quarter Seam—	-						White and grey post		
Ft. In.							and beds of metal		
COAL, foul 0 5							stone 1 0 9		
Grey metal 0 2									
COAL, foul 0 2							Whitish grey post, with water at top 0 4 5		
Grey metal,									
							Grey post, inclining to		
scared with $coal$ 2 3							metal stone 2 3 7		
							Blue grey metal, with		
COAL, foul 0 4	_	_					girdles 0 4 0		
	0	3	4		_		Ft. In.		
				14	5	4	COAL, foul 0 10		
ive-Quarter Seam—							Dark grey metal 0 4		
Ft. In.							COAL 0 1		
COAL 1 2							- 0 1 3		
Brass 0 2							5	2	
COAL 2 0								-	
	0	3	4				Blue grey metal, with		
	_			0	3	4	ironstone girdles 1 4 0		
	_	_		·	•	-	Ft. In.		
rey metal	0	1	4				COAL 0 7		
rey metal stone	7	1	0				Grey metal,		
rey metal post, with							seared with		
metal partings and							coal 1 4		
water	1	0	0				COAL 0 5		
hite post, with							0 2 4		
strong feeders of							2	0	
water in several							Grey metal, scared		
places which rose to									
	-						~		
within – fms. of top	7	3	4				Grey metal stone, with		
OAL, coarse, and							thin girdles 2 2 3		
burns to red ashes—							Whitish grey post,		
Main Coal Seam	0	<b>2</b>	10				with thin girdles		
				16	2	6	the last 2 feet 5 3 6		
	0	o	c				Hutton Seam—		
rey metal	0	2	6				Ft. In.		
hite post, with water	0	3	9				COAL 1 2		
ack metal	0	<b>2</b>	4				COAL, strong 4 4		
rey metal stone, with							COAL, foul 0 4		
some post and thin							0 5 10		
whin girdles near							9	0	
the top	16	3	2					_	
rey metal and metal	-	-	_				Grey metal, with a mixture of coal in		
stone, with some							mixture of coal in		
scares of coal—							the middle 0 0 8		
	Ω	1	0				In grey metal stone 0 3 0		
Maudlin Seam	0	1	8	10		_	0	3	
				18	1	5			۱
Carried for		1		68	2	7	Total 93	1	-
Carried 10rv	warc	A		JO	4	- (	Total <u>93</u>	-	

## No. 1,731.—SHERBURN.

#### TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat.  $54^{\circ}$  46' 37'', Long.  $1^{\circ}$  28' 41''.

An Account of Strata sunk through in the East and West Pits, Sherburn Hill Colliery. 1835.

Approximate surface level 390 feet above sea (Ordnauce datum).

							TOTAL TOTAL CONTROL OF THE CONTROL O
G 11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 6 4 6 53 4 4
Soil	0	1	0				
Blue clay	7	2	0				Soft grov motal stone /
	0		1				
Strong blue clay	7	3	0				Post stone, with water 5 1 10
				15	1	1	Blue stone 0 4 2
							COAL - Low Main
Freestone	19	4	4				Seam 0 3 1
Soft blue stone	1	4	4				
Grey metal	ō	2	Ō				25 4 11
COAL-3/4 Seam	ŏ	ō	5				
COME OF SOURCE	•	•	Ŭ		_		Soft dark thill stone 0 0 9
	_		_	21	5	1	Strong grey metal
	_		-				stone 5 0 3
Black slaty stone	0	1	1				Dark blue stone 0 2 0
Thill stone, mixed with							COAL—Brass Thill
iroustone	0	1	4				
							Seam 0 0 7
Five-Quarter Seam -							5 3 7
Five-Quarter Seam—							
COAL, good 3 8							D. J 1 5 0
COAL, bot-							Dark grey metal stone 1 5 0
tom 0 7							COAL 0 0 6
tom o	_		_			15	Dark grey metal stone 0 1 8
	0	4	3				COAL 0 0 10
	_			1	0	8	Grey metal 0 5 11
Thill stone	0	2	4				
	4	õ	4				Hutton Seam-
Grey metal stone		3	õ				Ft. In.
Jointy post girdle	0						COAL, good 4 4
Grey metal stone	1	2	4				COAL, bot-
Post girdle (broke)	0						tom 1 2
Grey metal stone	0	3	8				0 5 6
Post stone, mixed with							0 5 6
whin and water	8	1	10				4 1 5
COAL, bad — Main							¥ 1 0
Coal Seam	0	0	6				
				15	3	6	
			_	10	9	U	
Thill stone	0	3	6				
T)1 1 1	0	-	2				•
	4						
Grey metal	4	3	4				
Strong grey metal	7	-	0				
stone	1	1	6				
Carried forward		4	c	53	4	4	Total 89 2 3
	n						

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,732.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 41″, Long. 1° 30′ 38″.

An Account of Strata sunk through in the Upcast Shaft, Lady Durham Pit, Sherburn Colliery. October 7th, 1873.

Approximate surface level 280 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 34 3 11
2011		
Sand, with water 0 1 0 Strong blue clay 2 2 0		Strong grey metal,
birong blue eta.)	i	with post girdles
Sund		and water 1 1 6
Loamy elay 1 5 0		Strong white post,
Sand, with water 0 3 0		mixed with whin 1 2 0
Strong blue clay 2 0 0		Strong grey metal,
Sand, with water 1 4 0		with post girdles
Strong stony clay 1 2 0		and water 3 2 0
Sand 0 1 0		COAL 006
Strong stony clay 7 0 0		6 0 0
Loamy clay 0 4 6		Strong grey metal,
Strong stony clay 1 3 0		with post girdles 1 3 0
Strong brown clay 1 2 6	- 1	COAL 0-0 8
Strong stony clay 0 2 0	Ì	Black shivery metal 0 2 2
21 2	0	COAL 0 0 5
Soft metal stone 0 3 4	- 1	2 0 3
Broken freestone 1 3 0		Black shivery metal 0 0 7
Black metal stone 0 1 4		Strong grey post 1 0 6
Grey metal thill stone 0 2 6		Grey metal, with post
Grey metal, with post		girdles 1 0 2
girdles 4 0 0		Dark grey metal, with 1 4 7
Grey post 2 0 10		post girdles \ \frac{1}{1} \frac{5}{1} \frac{10}{1}
Grev metal 0 5 0		COAL—Hutton Seam 0 4 6
Strong white post 3 1 0	- 1	CAL Hatton Seam 0 4 0
COAL — Low Main	į	0 # 2
Seam 0 2 11		
,	11	
10 1		
Carried forward 34 3	11	Total 49 2 4
Carried for ward of o		

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,733.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 38", Long. 1° 30′ 4".

Account of Strata bored through from a point 20 fathoms below the Hutton Seam and at about 30 chains due East of Lady Durham Pit, Sherburn Colliery.

Approximate level 136 feet below sea (Ordnance datum).

Strata Grey metal			20	0	0	Ft.	In.	Brought forward 22 0 4 Grey post 1 1 0	In.
Carried	forwar	d	22	0	4			Carried forward 23 1 4	

## No. 1,733.—SHERBURN.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. S7 5 0
Grey metal, with iron-	20		-30				Grey metal, with post
stone girdles	3	5	7				girdles 5 5 4
Bastard post, with	o	o	•				Bastard white post 0 5 0
metal partings	Ω	4	0				Mild white post, with
Mild grey post, with	Ü						partings 0 5 11
metal partings	8	5	8				Whin 0 3 0
Hard grey post, with	U	0					Strong white post,
metal partings and							with coal pipes and
ironstone girdles	5	2	0				metal partings 5 3 5
Hand white post	6	ĩ	5				Dark snappy metal,
ironstone girdles Hard white post Dark metal COAL	ŏ	ñ	2				with post girdles 2 5 6
COAL	ŏ	2	4				Hard white post, with
OOAL	U	_	1				metal partings and
				48	4	6	ironstone girdles 2 3 4
Grey metal thill	0	2	6				Very hard grey bastard
Grey metal thill White post, with water	7	1	9				post 0 4 6
Grey metal	ò	5	10				Mild grey post 0 3 4
Ft. In.							Dark gray matul 1 1 8
COAL 0 2							Light grov motel 1 2 0
Black stone,							Dark grey metal 1 1 8 Light grey metal 1 2 9 Hard white post 0 3 10
mixed with							
coal 2 3							23 5
2	0		_				
	0	z	5				
			_	9	0	6	
Carried for	war	d		57	5	0	Total below the Hutton Seam 80 4 7
Carried 101	** 601			01		U	Total solo the 12 with sound so 1

## No. 1,734.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 44″, Long. 1° 30′ 10″.

Account of a Boring in Sherburn Estate, about 87 yards from the Four Lane Ends, near Byers Garth Farm, in a South-east direction. September 7th, 1841.

Approximate surface level feet above sea (Ordnance datum).

Soil Dry sand Brown clay,		 with					O	$\frac{0}{5}$	0	Ft.	In.	
Sand, with a	strong	feed	er of	water	at 17	fathoms	10	5	4			
									17	0	0	
			Total	١					*17	0	0	)

<sup>\*</sup> Approximate sea level 200 feet below this.

# No. 1,735.—SHERBURN.

TOWNSHIP	OF SHE	RBURN	HOUSE	, DUF	нам	•		,
Sheet 27 of Ordnand	e Map.	Lat.	•	,	Long	3.		
Bored in the Second Hole, abo	ut 100 y	ards fi	rom the	First	. S	eptemb	er 28th,	1841.
Approximate surface			bove se					
Soil and gravel Sand, with water Gravel Clay Sand and gravel Sand, with water in	   				Fs. F 2 3 0 0 0 4 1 2 2 2 7 2	0 8 0 0 0		
No.	1,736	-SHI	ERBU	RN.				
TOWNSHIP	OF SHE	RBURN	HOUSE	, DUE	нам			
Sheet 27 of Ordnane	e Map.	Lat.		٠,	Long	ç.	-	
Bored in the Third Hole, Approximate surface	-	•	from th				<i>ber 1st</i> , . ).	1841.
Soil and gravel Sand Sand and gravel, with a	 strong f	eeder o	  f water	***	Fs. Ft. 0 4 3 0 3 2		. Ft. In.	
	Total	•••				- 7 - 7	0 0	

#### No. 1,737.—SHERBURN.

#### TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Bored in the Fourth Hole, near Mr. Jordison's House. October 6th, 1841.

Approximate surface level feet above sea (Ordnance datum).

					Fs. Ft. In.			Fs.			Fs.	Ft.	Iυ.
Soil		0	1	0			Brought forward	20	$^{2}$	0			
Brown stony clay		7	0	0			Soft brown and grey						
Brown sand		0	1	6			post	0	1	6			
Red clay						- 1	Brown sand and gravel	1	0	0			
Brown freestone to							Black sand, mixed with						
bler		0	3	0		-	coal	0	1	0			
Dry gravel		1	0	0			Sand, mixed with clay						
Dry gravel Brown loamy sand Stony brown clay Soft brown sand		8	3	0			and stones		3	6			
Stony brown clay		2	0	6		- 1	Black metal stone						
Soft brown sand		0	1	6			In dark grey metal	0	0	8			
W020 820 11 11 101-11						-	8J				24	4	0
		_				- 1					_		
Carried forwa	rd	20	2	0		- 1	Total				24	4	0
Currou zor			_	•						=	_	_	_

## No. 1,738.—SHERBURN.

#### TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Bored in the Fifth Hole, in a Small Stubble Field near to the South side of Shadforth Beck. November 1st, 1841.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.	1			In.	Fs.	Ft.	In
Soil	0	2	0		Brought forward	8	4	0			
Brown stony clay	1	5	0		Brown sand	0	2	0			
Loose gravel, with					Grey metal ·						
water	٥	5	0		Strong brown and grey	-					
Strong brown stony	·	U	•		post	Λ	4	6			
	4	^	9			v		U			
clay	4	U	9		Strong grey and brown	0	0	c			
Loose metal, with mix-					post, with water	Ň	3	0			
ture of coal	0	3	4		Soft brown post	0	0	9			
Freestone ramble	0	1	6		Black metal	0	1	0			
Black and brown					Soft brown post Black metal In grey metal	0	3	6			
gravel	0	1	6		1 0				11	1	9
Brown freestone tum-	•	_	•								
	Λ	9	5								
bler	U	J	J								
0	_				m . I				11		
Carried forward	8	4	0		Total		• • •	_	11	1	
					•			-	4		
								]	M		

## No. 1,739.—SHERBURN.

## TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of C	ranance map.	Lab.	, nong.	
	-			

Bored in the Sixth Hole, in a Grass Field yards South-east of the Fifth Hole. November 11th, 1841.

Approximate s	urface	level	feet	above s	ea (C	rdn	anc	e d	atu	m).	
						Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay						2	3	0			
Brown sand, with						2	2	0			
Brown clay						0	3	5			
Freestone ramble	•••					0	5	0			
Sand, with water						5	2	0			
Loamy sand			•••			0	5	0			
2001113 001111	•••	P				_		_	12	2	5
		Total							12	2	5

## No. 1,740.—SHERBURN.

#### TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Bored in the Seventh Hole, in a Grass Field, about 100 yards from Shadforth Beck.

December 6th, 1841.

Approximate su	feet above sea (Ordnance datum).										
G-11								In.	Fs.	Ft.	In.
Soil	•••		• • •	•••	• • •	0	0	6			
Sand	•••	•••				1	0	0			
Dry gravel	•••	•••				1	2	0			
Sand, with water				•••		0	1	6	•	-	
Brown stony clay	•••					ŏ	2	ŏ			
Sand, with water			•••	•••	•••	4	ĩ	ŏ			
	•••	•••	• • •	•••	• • •		_	_			
Blue leafy clay		• • •				0	3	10			
Blue stony clay	•••	•••				0	4	4			
• •									8	3	2
		Total							R	3	2
			•••	••	•••		• • • •			<u> </u>	

## No. 1,741.—SHERBURN.

#### TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 3″, Long. 1° 30′ 3″.

#### Account of Sherburn House North Pit.

Approximate surface level 305 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sandy soil	0	2	6				Brought forward 43 3 3
Gravel and sand, with	_	_	_				Thill stone 0 0 6
water	2	3	0				Grey metal, mixed
Soft brown clay	0	2	6				with post girdles 0 4 8
Sand and water	4	0	6				Strong post stone 1 0 0
Stiff strong clay	0	3	10				Grey metal 0 0 8
Soft blue stone, with							Strong post and whin 0 5 6
iron balls	0	5	2				Grey metal 2 3 0
Brown and white free-							Dark grey metal, 1 5 5
stone, jointy	1	0	2				jointy ( 0 4 9 *
Blue stone	2	1	0				, , , ,
Freestone	4	0	10				D #111 ()
Blue stone	0	5	0				Brass Thill Seam—
Jointy freestone	1	0	0				Ft. In.
Blue stone	0	1	0				COAL 0 6
Grey post stone	2	Ŏ	0				Thill stone 1 3
COAL-5/4 Seam	õ	1	3				Dark blue
00112 0/2 1000000 111			_	20	2	9	stone 1 0
Thill stone	0	4	0		_	·	COAL 0 5
Soft grey metal stone	6	ô	ğ				0 3 2
Soft grey metal stone,	U	•	·				
113	1	3	0				8 3 8
0041	0	1	ő				
COAL, coarse	U	1	U	8	2	9	Thill stone 0 2 4
Thill stone	0	4	0	0	4	ð	Strong post stone and
TO 1	_	4	_				whin 1 4 0
Blue stone	1	5	0				Dark grey metal 1 2 8
Grey metal	0	3	0				Post girdle 0 0 10
Strong post	0	5	0				Grey metal 0 4 0
COAL, coarse	0	0	4	_	_		Post girdle 0 0 8
mi es				3	5	4	Grey metal 0 1 2
Thill stone	0	1	, 6				Post girdle 0 1 1
Dark grey metal	3	0	8				
Grey post stone	6	4	7				
Strong grey metal	0	0	9				
Black slaty band	0	0	1				Grey metal 0 2 2 COAL—Hutton Seam 0 4 1
Low Main Seam-							COAL—Hutton Seam 0 4 1
							6 2 9
COAL, good O 7							,
COAL, splinty 0 2							
COAL, good 1 6							
COAL, rather							
coarse 0 7	0		10				
Total suspen	0	2	10	10		~	3
				10	4	-5	
0		,		402			Total 58 3 8
Carried for	wai	·a		43	3	3	20001

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,742.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Bored in Sherburn House Pit. November 17th, 1842.

Approximate surface level 305 feet above sea (Ordnance datum).

			~	**	***		
Sunk to the scaffold	r's.	Ft.	In.	Fs. 22	Ft.	1n. 0	Fs. Ft. In. Fs. Ft. I Brought forward 2 3 8 44 1 1
Square box				5	3	ŏ	White post, mixed
Grey metal stone, with				U	U	٠	
	1	=	c				
post girdles	Ţ	5	0				o a constant of the constant o
COAL, foul	U	U	7	_	_		Ft. In.
				2	0	1	COAL 0 6
Grey metal stone	3	5					Grey metal 2 4
COAL	0	0	5				COAL 0 4
				4	0	1	0 3 2
Grey metal stone, set							8 4 1
away the water							Grey metal 0 2 8
about 7 ins. below							Grey post 1 1 0
the 5 ins. of coal	3	2	Λ				777
	U	U	v				
Strong grey post, with	c	4	4				Grey post 0 1 0
whin girdles	О	4	4				Grey metal stone 2 3 10
Dark metal, scared	_	_	_				Whin 0 0 7
with coal	U	0	6				Grey metal stone, with
COAL, strong—Low							strong post girdles 1 0 7
Main Seam	0	<b>2</b>	10				COAL—Hutton Seam 0 4 6
				10	4	8	6 4
Gray motal	Λ	Λ	8				Grey metal 0 0 7
Grey metal	v	0					Grey post 0 0 6
Grey metal stone		5					— 0 1
Strong grey post	1	4	0				0 1
Carried forward	2		_	44		10	Total 59 5

## No. 1,743.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 50″, Long. 1° 34′ 25″.

Account of Strata sunk through in the Isabella Pit, Sheriff Hill Colliery.

Approximate surface level 510 feet above sea (Ordnance datum).

Fs, Ft. In. Fs. Ft. In. Soil and clay 4 3 0	Brought forward Fs. Ft. In. Fs. Ft. In. Brought forward 18 0 8
Grindstone post 10 0 0	Thill 0 2 4
Blue metal stone 2 0 0	White post 4 2 4
Grey metal stone 1 3 0	COAL 0 0 8
COAL 0 0 8	4 5 4
18 0 8	
Carried forward 18 0 8	Carried forward 23 0 0

## No. 1,743.—SHERIFF HILL.—CONTINUED.

		Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In
Brought forward		_	^	23	0	0	Brought forward 71 5 9
Thill	0	5	0				Thill 1 2 0
Strong white post	0	4	0				Grey post 1 5 0
Blue metal stone	0	5	2				Grey metal stone 0 1 0
Grey post White post	0	1	4				Grey post 1 4 7 COAL 0 1 7
TO1 1 1 1	_	2	8				
**** **	0	4	3				Thill 0 4 0
Blue metal stone	1	0	0				Blue stone, mixed with
	. 0	1	8				43.5
	. 0		G	5	1	1	
Thill	0	0	4	U	-	•	COAL 0 1 3
TT71 *1	ő	ĭ	0				701:11
Blue metal stone	ő	5	8				Strong white post and
COAL	0	1	2				1 0 0
	-			1	2	2	Strong grey metal 2 1 0
Thill	0	4	0		_	-	Mixture of whin and
Scamy post girdles and	·	-30	,				0.00
	10	1	6				
blue metal stone	0		10				Strong grey metal 1 5 0
COAL	U	-	10	11	1	4	Whin
Thill	0	1	1	11	1	4	0 1 8
Post, mixed with whin	2	3	0				Blue metal and iron-
'	4	9	U				stone girdles 3 4 4
Blue metal stone,	11	0	77				Yard Seam or High
mixed with post		0 3	7				Main Coal of
White post	4	2					Wear- Ft. In.
COAL	0	2	0	10	9	0	COAL, top 2 0
Guar matal atoms	1	0	2	18	3	8	Band 0 11
Grey metal stone	_						COAL, grey 0 10
Black stone		3	9				COAL, good 0 11
Grey metal girdles		3 0	3				Band 0 1
Grey metal stone		-	8				COAL, bot-
White post girdles		0	7				tom 2 3 <sup>1</sup> / <sub>4</sub>
Grey post		4	6				1 1 0½
Grey metal		2	0				11 2 10
Grey post	0	4	3				Thill and grey metal 0 4 0
High Main Seam-							White post 0 3 0
•							Grey metal, with whin
COAL O 4							girdles 1 5 0
Band 0 0							Black stone 0 2 6
COAL, top 2 9	~						Grey metal, with whin
Band 0 7							girdles 4 3 6
COAL, coarse 0 5							Whin 0 1 0
COAL, fine 0 7							Grey metal stone, with
Band 0 0							hard girdles 2 2 3
COAL, bot-	2						
tom 1 2							Bensham Seam— Ft, In.
tom 1 2	0	5	11				COAL, top 1 6
	U	J	11				Band 0 01
				7	1	1	COAL 0 111
Thill	0	5	0				COAL, scary 0 3
Blue metal stone	-		_				Band 1 $7\frac{1}{2}$
Grey metal stone	_	_	-				
Grey post	_						70 7
Grey metal stone	_						
COLL							COAL 0 6 1 0 4
COAL	_			5	2	5	11 3 7
			_	- 0		J	11 5 /
Carried f	Oru-	o rd		71	5	9	Carried forward 101 4 7
Carrieu I	OI W	aru		41	9	g	Carried forward 101 4 7

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,743.—SHERIFF HILL.—CONTINUED.

D 1/6 1		Ft.				In.	Fs. Ft. In. Fs. Ft. In.
Brought forward		· _		.01	4	$7\frac{1}{4}$	Brought forward 1 0 0 111 4 5
Thill	0	2	0				Grey post 0 4 0
Grey metal girdles	1		0				White post 0 3 0
White post	1	2	4				Grey post 0 5 0
Whin and post mix-							White post 0 4 0
ture	0	4	0				COAL 0 0 9
Grey metal	0	3	0				3 4 9
Blue stone	0	4					
COAL-6/4 Seam	0	4	4				Thill 0 2 5
·				5	3	10	White post 1 5 10
				J	J	10	Whin and post mix-
Thill	0	. 1	10				ture 1 2 0
Grey metal	0	<b>2</b>	6				White post 0 4 0
White post	0	, 5	6				Grey metal 0 4 0 Grey post girdle 0 1 5
Whin	0	1	0				Grey post girdle 0 1 5 Grey metal stone 0 1 5 Grey post girdle 0 3 3
Grey post	1	0	0				Grey metal stone 0 1 5 Grey post girdle 0 3 3
Grey metal	1	0	0				Grey post girdle 0 3 3
COAL-5/4 Seam	0	3	2				Blue metal stone 0 2 2
							COAL - Low Main
				4	z	0	Seam 0 5 2
Thill	0	1	6				
Blue stone	0	3	0				7 1 8
Grey metal	0	1	6				
			_				
Carried forward	1	0	0	111	4	$5\frac{1}{4}$	Total 122 4 10
						*	

## No. 1,744.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 34″, Long. 1° 34′ 10″.

Account of Boring from the Low Main Seam, in the King Pit, Sheriff Hill Colliery.

Approximate surface level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In. Fs.	Ft. I	ln.	Fs. Ft. In. Fs. Ft. In.
Sunk to the Low						Brought forward 130 2 10
Main Seam			122	4 10	01	Thill 1 0 0
Thill	0	3	0			White post 2 3 0
White post	<b>2</b>	0	0			Whin:. 0 1 1
Black stone	0	1	0			White post $1  1  7\frac{1}{4}$
Thill	0	3	0			Grey metal 0 1 4
Black stone, mixed						White post 0 3 0
with coal	0	1	6			Blue metal, mixed
Thill	. 0	3	6			with post girdles 1 3 0
Grey metal stone	1	3	6			Blue metal, with iron-
Post girdles	0	1	6			stone girdles 1 3 5
White post	1	<b>2</b>	0			COAL 0 0 5
Blue metal stone	0	<b>2</b>	0			8 4 10 <del>1</del>
COAL	0	1.	$0\frac{1}{2}$			Thill 0 1 4
			·— 7	4 (	$0\frac{1}{2}$	Grey metal 0 2 0
					_	1
Carried for	war	d	130	2 10	)3	Carried forward 0 3 4 139 1 9

# No. 1,744.—SHERIFF HILL.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Broug	ht forw	ard	0	3	4	139			Brought forward 143 3 5
Thill			0	1	3				Black stone 0 1 6
Grey metal			0	3	0				Post girdle 0 1 6
Dark grey			0	2	0				Grey metal, with post
White post				3					girdles 0 5 0
Whin			0	1	9			0	Blue metal 0 3 0
Blue metal			0	1					Beaumont Seam—
Girdle			0	0	9				Ft. In.
White post			1						COAL, top 2 2
Blue metal			0	3					Band 0 8
COAL			0	0	4				COAL, good 1 0
						4	1	8	0 3 10
									2, 2 10
								_	
	Carried	l for	wai	d	1	43	3	5	Total 146 0 3

# No. 1,745.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56′ 8″, Long. 1° 34′ 57″.

Account of Strata sunk through at the Fanny Pit, Sheriff Hill Colliery, on Gateshead Fell.

Shiver and blue slate		Ft.	In. F	s. Ft	. I	n.	Brought forward 7 0 0 52 4
thill		0	0				COAL — Metal Coal
White flag post	_	0	ŏ				Seam 0 1 2
Grindstone sill	11	ŏ	· 0				7 1
White post plate	-	3	ŏ				White post 4 1 10
Blue plate	-	0	ŏ				COAL - Stone Coal
Grey post plate		3	ŏ-				Seam 0 3 0
Blue plate	-	ŏ	ŏ				4 4 1
Whin plate	-	3	Ŏ				Black stone 1 5 0
Blue sill	-		ŏ				COAL, bandy 0 0 6
White post	•	3	ŏ				1 5
COAL-3/4 Seam		2	3				White post 4 3 6
• • • • • • • • • • • • • • • • • • • •		. –			2	3	Blue plate 2 3 0
			z	7 2	4	3	Black plate 0 1 6
White post	5	1	0				COAL — Little Coal
Grey post	. 1	0	0				Seam 0 0 6
Dun post	6	0	0				7 2
Blue plate	1	0	9				Grev sill 2 0 0
White post	11	0	0				COAL Yard Seam 0 3 0
COAL — High Mair	ı						2 3
Seam	. 1	0	0				White post 11 3 0
			2	5	1	9	COAL — Bensham
Grey post	6	0	0				Seam 0 3 3
Metal plate	-	ŏ	- 1				12 0
F							
Carried forward	F:	0	0 5	0	4	0	Carried forward 88 3

# No. 1,745.—SHERIFF HILL.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 88			Fs. Ft. In. Fs. Ft. In Brought forward 102 0 (
Blue plate { -	0	3			_	-*	White post 5 0 0 COAL—Low Main
COAL, bandy	-	õ					Seam 1 0 6
·			_	2	0	9	6 0 6
White post Blue plate COAL—6/4 Seam	5 0 1	2 3 0	0 0 3				Darkish white sill 0 1 0 White post 3 5 6 COAL—2/4 Seam 0 1 6
0/12 0/12 00000 111				6	5	3	4 2
Grey whin post COAL—5/4 Seam	1	5 3	7 2				White post sill 21 0 6
OORL—OJE Scam	_		_	2	2	9	COAL—Harvey's Low Main Seam 0 3 0
Grey post COAL, bandy	1 0	5 0	3 9				21 3
				2	0	0	=
Carried for	war	d		102	0	0	Total , 134 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,746.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56′ 2″, Long. 1° 35′ 27″.

Section of the Several Seams of Coal, as they lie below each other in the Doll Pit, Gateshead Fell.

Fs. Ft. In. Fs. Ft. In. Strata 33 3 8	Brought forward Fs. Ft. In. Fs. Ft. I 48 0
Upper Main Coal	Strata 9 4 2
Seam—       Ft. In.         COAL        2 10         Stone        0 4         COAL        2 2	$Yard\ Coal\ Seam$ —  Ft. In. $Coal\ (Little\ Coal)\ \dots\ 1\ 10$ Stone 3 0
Strata 7 4 2  COAL — Metal Coal  Seam 0 1 10	COAL (Yard .  Coal) 3 0  1 1 10
Strata 5 1 6  COAL — Stone Coal  Seam 0 1 6  5 3 0	Strata 10 3 3
Carried forward 48 0 0	Carried forward 10 3 3 59 0

### No. 1,746.—SHERIFF HILL.—CONTINUED.

Brought forward 10 3 3 59 0 0  Bensham Seam—	Brought forward Fs. Ft. In. Fs. Ft. In. S2 2 6 Five-Quarter Seam—
COAL 1 5 Stone 0 4 COAL 1 0	Stone 0 4 COAL 3 2 0 3 6
Strata $\begin{cases} \frac{0}{0} & \frac{2}{5} & \frac{3}{0} & 11 & 0 & 0 \\ \frac{0}{10} & \frac{5}{5} & 0 & \frac{3}{5} & \frac{3}{0} \end{cases}$	Strata 7 1 6 COAL—Low Main
Six-Quarter Seam— Ft. In. COAL 1 10 COAL, cannel 1 2	Seam 0 4 6 8 0 0
Stone 0 2 COAL 1 4 	
Carried forward 82 2 6	Total 91 0 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,747.—SHIBDON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Account of a Borehole in a Second Place to the North-east of the other in East Shibdon, by Andrew Wake.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Wreck and water 3 3 0	Brought forward 24 1 0
Sand 0 3 0	A parting, with water 0 4 6
Gravel, with water 1 0 0	White post 0 0 2
Fine brown clay, with	COAL, black Ft. In.
sand 15 0 0	danty 0 2
Sand 0 3 0	COAL 2 10
Sand, with clay 0 3 0	0 3 0
Sand, with water 0 3 0	25 2 8
Stony blue clay 0 1 0	Grey thill 0 1 10
White and grey post •0 4 0	Grey stone, with post
Soft parting, water)	girdles and water 3 2 3
good aman	Strong white post
Soft grey stone, with 0 3 0	girdle 0 1 4
open gullets	Blue stone 0 3 0
White post, with open	Post girdles 0 1 10
parting 1 2 0	Left off in white post 1 0 3
P	5 4 6
Carried forward 24 1 0	Total 31 1 2
	N

# No. 1,748.—SHIELD ROW.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Orduance Map. Lat. , Long.

An Account of Boring at Shield Row, in the Royalty of Geo. Bowes, Esq. May, 1729.

Approximate surface level feet above sea (Ordnance datum).

• •							
Black and grey post	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 3 0 4 14 0 4
girdles Soft black metal			0				Strong grey post girdles, with water 3 0 0
COAL			4	3	3	4	Grey metal stone, with post girdles 3 1 0
Grey metal	-		0	Ü	Ü		COAL 0 0 8
Brown post Open brown post, set	_	-	-				Grey metal, scared with coal 0 1 0
away the water Soft open post Soft brown post	3	3	0				Grey metal stone, with
Soft brown post Upper Main Coal	0	3	0				water 3 0 0 Grey metal stone 2 0 0
Seam— Ft. In.							Soft black and grey metal, scared with
Black metal 0 4 COAL 1 8							coal      0     3     0       White post      0     3     0
	1	0	0	10	3	0	Seam 0 4 11
White grey metal Black slaty stone		0			Ů	Ū	6 5 1
Grey metal, with gir-							
Carried forward	3	0		14	0		Total 30 2

# No. 1,749.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Stone Drift, Gill Pit, Shield Row. 1735.

White and grey post Fs. Ft. In. Fs.	Ft. In. Fs. Ft. In. Fs. Ft. In. Brought forward 5 1 7
girdles, blue scamy partings, and water 3 0 0	Ft. In. 4 0
Open white post, with much water 1 2 9	Black metal 0 3 COAL 2 0
Grey scamy post 0 2 0 Stony sandy post 0 2 6	$\frac{1 \ 0 \ 3}{6 \ 1 \ 10}$
Grey metal stone 0 0 4	Grey metal 0 0 9
Carried forward 5 1 7	Total <u>6 2 7</u>

# No. 1,750.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

# Section of Strata at Shield Row Colliery.

Brown post																		
Street	Earth and clay	y	1	0	0	Fs.	Ft.	In					Fs.	Ft.				
GOAL           0 0 10         6 3 10         Grey metal          0 1 6         3 10         Grey metal          0 1 6         3 10         Grey metal          0 1 6         3 10         Grey metal          0 0 6         7 3 0         14 1 6         Grey metal          0 0 6         7 3 0         6         3 10         Grey metal          0 0 0 6         7 3 0         6         COAL          0 0 0 6         7 3 0         6         Grey metal, with post         girdles          3 3 0         COAL          0 0 0 6         6         COAL          0 0 0 6         6         COAL          0 0 0 6         6         Grey metal, with post </td <td></td> <td></td> <td>_</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- 4</td> <td>_</td> <td>^</td> <td></td> <td></td> <td></td>			_		-								- 4	_	^			
Grey metal 3 0 0 COAL 0 2 0 0 6 COAL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 6 To AL 0 0 0 6 7 3 0 0 0 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																		
Grey metal          3         0         0         2         0         2         0         0         2         0 <t< td=""><td>COAL</td><td></td><td>U</td><td>0</td><td>10</td><td>0</td><td></td><td>10</td><td>  00</td><td>JAL</td><td>• • •</td><td>• • • •</td><td>U</td><td>T</td><td>_</td><td>1.</td><td>,</td><td></td></t<>	COAL		U	0	10	0		10	00	JAL	• • •	• • • •	U	T	_	1.	,	
COAL           0         2         0         3         2         0         Grey metal          0         2         0         6         7         3         6         6         3         2         0         6         6         0         6         6         0         6         6         3         6         6         3         6         6         3         6         6         6         6         3         6         6         3         6	a 4.1		-			0	3	10	G.	or motal			7			14	1	6
Grey metal 8 4 0 0			-															
Grey metal 8 4 0 0 0 8 8	COAL		Ų	4		Q	9	0	0	JAL	•••		_			7	2	G
COAL       0 0 8   8 4 8   8   COAL       3 3 3 0   COAL       0 2 0   0   White post       2 1 2   2   Shield Row Seam — Ft. In.   COAL     4 6   Band     0 9   COAL     1 0 3   COAL     1 0 0 0 6   Grey metal     1 0 0 0 0 0   Grey metal     1 0 0 0 0   Grey metal     1 0 0 0 0 0   Grey metal     1	Grav matal		8	4.	-0	o		U	Gr	ev metal.	with	nost				•	0	U
Grey metal and post 7 4 0 White post 2 1 2 2					-							-	3	3	0			
White post 2 1 2  Shield Row Seam—  COAL 4 6 Band 0 9 COAL 1 0  ——————————————————————————————————			_			8	4	8										
White post 2 1 2  Shield Row Seam—  COAL 4 6 Band 0 9 COAL 1 0  — 1 0 3 Grey metal, with post 14 0 0  Fiv. Quarter Seam— Ft. In. COAL 0 10 Grey metal 1 0 COAL 4 10 — 1 0 8 Grey metal 1 0 COAL 4 10 — 1 0 8 Seam 0 5 3 Grey metal, with some grey metal 1 0 6 COAL 1 0 6 Blue stone 2 0 COAL 2 10  Blue and grey metal 2 10  Brockwell Seam—  COAL 0 7 Blue stone 3 6 COAL 1 3 Grey metal stone 6 3 6  Brockwell Seam—  COAL 0 7 Blue stone 3 6 COAL 1 3 Grey metal 1 3 Grey metal 2 10  Blue and grey metal 2 10  Blue stone 3 6 COAL 1 3 Grey metal 2 0  Brockwell Seam—  COAL 0 7 Blue stone 3 6 COAL 1 3 Grey metal 0 2 COAL 1 13 Grey metal 0 2 COAL 1 10  — 7 3 4	Grev metal as	nd post	7	4	0											3	5	0
Shield Row Seam—					2				Gr	ey metal	stone	, with						
COAL 4 6 Band 0 9 COAL 1 0	-								1	white pos	st		5	3	0			
Grey metal	Shiell Row Se								C0	DAL			0	0	6			
Band     0   9	COAL												_			5	3	6
COAL     1 0   0   0   0   0   0   0   0   0									Gr	ey metal			2	0	0			
Grey metal, with post 14 0 0 0  Five-Quarter Seam—  COAL 0 10 Grey metal 1 0 COAL 4 10																		
Coal   Seam   Seam			1	0	3													
Single Figure   Fit   Fit						29	3	11	1 66	JAL	• • •	1 6	0	0	0			
Since   Quarter   Seam   Ft. In.   COAL     0   10   0   0   0   0   0   0   0	Grey metal, wi	ith post	14	0	0								U	Z	3	9	9	Q
Dost   COAL   COAL	Fine Quarter	Seam_							Rh	ie metal	with	white				-		U
Busty Bank Seam	rice-Quarter												6	3	0			
Grey metal 1 0 COAL 4 10	COAL								1									
COAL 4 10 1 0 8 15 0 8 Grey metal 2 0 0 0									Bu	sty Bank	k Sec	m-						
Grey metal 2 0 0 0  COAL—Brass Thill Seam 0 5 3 2 5 3  Grey metal, with some post 9 0 0 0  White post, with some grey metal 19 0 0 0  White post 1 3 0  COAL—Hutton Seam 1 0 6 0 0  White post 1 3 0  COAL—Little Coal 0 1 9 0 0  Blue stone 3 6 0  COAL 1 3 0  Grey metal 1 3 0  COAL 1 3 0  COAL 1 3 0  COAL 1 3 0  Grey metal 0 2  COAL 1 3 0  COAL 1 3 0  COAL 1 3 0  COAL 1 3 0  The latest stone 3 6  COAL 1 10																		
Grey metal 2 0 0 0  COAL—Brass Thill Seam 0 5 3  Grey metal, with some post 9 0 0  White post, with some grey metal 19 0 0  White post 1 3 0  COAL—Hutton Seam 1 0 6  White post 1 3 0  COAL—Little Coal 0 1 9  Blue metal stone 6 0 0  COAL—Main Coal Seam 0 3 6  The coal of the			1	0	8				1									
Seam   2   0   0						15	0	8										
COAL			2	0	0				1 '									
Grey metal, with some post 9 0 0 White post, with some grey metal 19 0 0 COAL—Hutton Seam 1 0 6 COAL—Hutton Seam 1 0 6 COAL—Little Coal 0 1 9 COAL—Little Coal Seam 0 3 6 COAL—Main Coal Seam	COAL—Bras	ss Thill																
Grey metal, with some post 9 0 0 White post, with some grey metal 19 0 0 Blue and grey metal 6 2 0  White post, with some grey metal 19 0 0  White post 1 3 0  COAL—Hutton Seam 1 0 6  COAL—Little Coal 0 1 9  Blue metal stone 6 0 0  COAL—Main Coal Seam 0 3 6  Seam 0 3 6  The coal Seam are coal seam and grey metal 6 2 0  Blue and grey metal 6 2 0  Brockwell Seam—  COAL 0 7  Blue stone 3 6  COAL 1 3  Grey metal. 0 2  COAL 1 10	Seam		0	5	3	_	_	_	1	JUAL	•••	Z 10	1	9	10			
Blue and grey metal 6 2 0	~		_			2	ð	3	1						_	7	5	10
White post, with some grey metal 19 0 0  COAL—Hutton Seam 1 0 6  White post 1 3 0  COAL—Little Coal 0 1 9  Blue metal stone 6 0 0  COAL—Main Coal Seam 0 3 6				^	^				Rh	a and c	rrov	metal	6	2	0	•	Ü	10
Brockwell Seam -			9	U	U				Die	ie anu g	; rey	metai	U	_	•			
COAL—Hutton Seam 1 0 6  ——————————————————————————————————			10	^	Λ				Br	ockarell	Sean	.—						
White post 1 3 0  COAL — Little Coal 0 1 9  Blue metal stone 6 0 0  Seam 0 3 6				- 7	-				1 2.	00100000	00411							
White post 1 3 0 COAL — Little Coal 0 1 9 Blue metal stone 6 0 0 COAL — Main Coal Seam 0 3 6	COAL—Hutt	ton iseam	, I	U	U	90	0	6	(	COAL								
COAL - Little Coal   0   1   9						20	U	U	1	Blue ston	e	3 6						
Blue metal stone 6 0 0 0  COAL — Main Coal Seam 0 3 6					-					COAL		1 3						
Blue metal stone 6 0 0  COAL — Main Coal Seam 0 3 6	COAL - Litt	tle Coal	0	1	9			0	(	Grey met	al	-						
Seam 0 3 6 7 3 4	Th		_	_	_	1	4	9		COAL		1 10						
Seam 0 3 6 7 3 4			0	U	U				1				1	1	4			
6 3 6			0	9	c										_	7	3	4.
m.t.1 134 1 6	Seam		U	Э	O	G	Q	6								•	υ	T
Carried forward 85 0 7 Total <u>134 1 6</u>				•		U	o	U							_			
Carried forward 80 0 7	~	. 1 0				05	_	7			Tot	al			1	34	1	6
	Car	rried for	war	u		00	U	'							=	=	_	_

# No. 1,751.—SHIELD ROW.

# TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Level Pit, at Shield Row, from the Hard Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fs. J	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk to the thill of the					_	_	Brought forward 22 4 0 22 1 0
Hard Coal Seam				22	1	0	Grey post 0 1 3
From the Hard Coal							White post 0 3 9
to the Brass Thill	10	5	5				Grey metal 0 1 2
Thill	1	0	0				White post 0 3 9
Grey post	1	0	0				Cashy parting 0 0 4
Post girdles	0	0	6				White post 0 0 8
Grey post	1	$_{1}^{2}$	5				Cashy parting 0 0 4
Black metal stone	0	1	0				White post 4 1 4
Grey post	1	2	0				A parting 0 0 2
Whin (indurated sand-							White post 7 0 2
stone)	0	0	10				Grey post 0 0 10
Grey post	1	2	4				White post 2 5 7
Black metal	0	1	0				Grey metal stone 1 3 7
Grey metal stone	0	1	0				Grey and blue metal,
Grey post	1	4	0				with hard girdles 1 3 8
White post girdles	0	Ō	5				Black metal, mixed
Grey post	Ō	Ō	5				with coal 0 0 4
White post girdle	ŏ	ō	5				COAL, mixed with
Grey post	ō	2	Õ				small brass lumps
Black metal stone,	•	_	•				or band 3 ins. from
with coal pipes	0	4	7				the top 0 5 3
Grey metal stone	ŏ	3	9				Black metal, mixed
Grey post	ŏ		10				with coal 0 0 1
Whin	ŏ	î	0				COAL—Hutton Seam 0 5 5
\$\$73.*1 A	ŏ	5	ĭ				43 5 8
white post							40 0 0
Carried forward	22	4	0	22	1	0	Total <u>66 0 8</u>

### No. 1,752.—SHIELD ROW.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Pea Pit, at Shield Row.

Sunk below the Hard Coal Seam to the scaffold Box					Ft. 5	In. 0	Brought forward 1 0 6 5 5 0  Blue metal stone, with girdles 2 0 6  Blue metal stone 0 0 6
Carried forward	1	0	6	5	5	0	Carried forward 3 1 6 5 5 0

# No. 1,752.—SHIELD ROW.—CONTINUED.

Brought forward	Fs.	Ft.	In. 6	Fs.	Ft.	In. 0	Fs. Ft. In. Fs. Ft. In. Brought forward 26 0 11 9 5 1
COAL, coarse at the							Blue metal, with gir-
bottom	0	4	7				dles 0 4 6
				4	0	1	Soft blue metal 0 1 6
Grey metal stone, with							
post girdles	-7	4	0				Hutton Seam
Whin			0				Ft. In.
Strong grey metal							COAL 2 8
stone, with metal							Black grey stone 0 3
partings Blue and black metal	<b>2</b>	2	0				COAL 2 5
Blue and black metal	1	1	0				Grey slaty band 0 9
Blue stone, mixed with							COAL 2 4
coal							COAL, coarse 0 4
Blue metal	0	1	6				COAL 1 10
Strong white post,							— 1 4 7
mixed with whin in				- 3			28 5 6
several places	12	1	0				Hard girdle or lump 0 0 4
Blue stone, with gir-							In grey metal 0 0 5
dles	1	4	5				0 0 9
Carried forward	26	0	11	9	5	1	Total below Hard Coal Seam 38 5 4

### No. 1,753.—SHIELD ROW.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Strata sunk through at the Quaking House Pit, Shield Row Colliery, upon Lanchester Common Royalty. 1845.

	$\frac{2}{3}$	0 5	0				- 1	D	
	-		0				- 1	Brought forward 19 4	- 3
	Λ		0					Seggar clay 0 1 6	
	J	- 3	8					Grey metal 2 4 2	
	0	4	0					Grey post 4 4 0	
	0	5	6					Grey metal 3 4 0	
				8	0	2		Grey post 1 1 2	
	1	0	6					Grey metal 0 2 8	
	0	1	6				•	Grey post 0 4 10	
	4	0	6					Grey metal 1 0 8	
	0	1	0					COAL-5/4 Seam 0 4 2	
	0	4	0					15 3	2
	0	1	0					From thill of $5/4$ to	
	0	1	9					roof of Main Seam 7 0 0	
	3	4	8					COAL—Brass Thill	
Row								Seam 0 5 4	
	1	1	2					7 5	4
				11	4	1			
				_					
ied, fo	rwa	rd		19	4	3	}	Total 43 C	9
	      	0 1 0 4 0 0 0 0 0 3 Row 1	0 5 1 0 0 1 4 0 0 1 0 4 0 1 0 1 3 4 Row	0 5 6 1 0 6 0 1 6 4 0 6 0 1 0 0 4 0 0 1 9 3 4 8 Row 1 1 2	0 5 6 8 1 0 6 0 1 6 0 1 0 0 1 0 0 1 0 0 1 9 3 4 8 Row 1 1 2 11	0 5 6 8 0 1 0 6 0 1 6 4 0 6 0 1 0 0 1 0 0 1 0 0 1 9 3 4 8 Row 1 1 2	0 5 6 8 0 2 1 0 6 4 0 6 0 1 0 0 1 0 0 1 0 0 1 9 3 4 8  Row 1 1 2 1 4 1	0 5 6 8 0 2 1 0 6 0 1 6 0 1 0 0 1 0 0 1 0 0 1 0 0 1 9 3 4 8	Grey metal 3 4 0 Grey post 1 1 2 Grey metal 0 2 8 Grey post 0 1 1 2 Grey metal 0 2 8 Grey post 0 2 8 Grey metal 0 2 8 Grey metal 0 2 8 Grey metal 0 4 10 Grey metal 1 0 8 COAL—5/4 Seam 0 4 2  From thill of 5/4 to roof of Main Seam 7 0 0 COAL—Brass Thill Seam 0 5 4  COAL—Brass Thill Seam 0 5 4

### No. 1,754.—SHILBOTTLE.

#### TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 27", Long. 1° 42' 4".

Section of the Strata at the Engine, New East or Furnace Pit, Shilbottle Colliery,  $2\frac{1}{2}$  miles South of Alnwick. 1807.

Approximate surface level 395 feet above sea (Ordnance datum).

							1
Clay	Fs. 2	Ft. 4	In. 0	Fs.	Ft.	In.	Brought forward 1 5 6 38 5
	10	0	ő				
Blue slate	_	0	0				Metal
Blue limestone—Eight		U	U				0041
Yard Limestone		0	0				9 1 1/
COAL	_	0	4				(m):11
	_			23	4	4	Ironstone 1 0 8
Thill	0	1	0	20	-10	-1	Rough stone 2 0 0
Freestone	-		11				COAL—Shilbottle
Ft. In	_	U	11				Seam 0 2 7
COAL 1 0							3 3 3
Thill 1 6							- 5 S .
COAL 1 0							Sump:—
1 0	0	3	6				Grey thill 0 2 6
			_	2	4	5	Grey metal stone 0 4 0
Thill	0	1	0	-		U	Blue metal stone 3 0 9
Main freestone	$\tilde{2}$	î	ĭ				Hard stone, with water 0 3 0
Main slate	7	ô	ô				Grey metal stone 2 0 0
Blue limestone—Six-	•	Ŭ	•				Black stone 0 0 9
Yard Limestone	3	0	0				COAL 0 0 1
COAL	ő	ŏ	6				6 5 1
			_	12	2	7	Black stone 0 0 2
Thill	0	2	6		-	•	White thill 0 0 6
Freestone	ĭ	3	ő				0 0 8
			_				
Carried forward	1	5	6	38	5	4	Total *52 4 8
carried for ward		,	3	00	,		

<sup>\*</sup> Approximate sea level 72 feet below this.

# No. 1,755.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22′ 29″, Long. 1° 42′ 6″.

Section of the Strata sunk through in the Smoke Staple, near Farm House, at Shilbottle Colliery. Commenced August 22nd and finished sinking October 12th, 1844.

Ontset Clay	•••		0	4	0	Ft. In.	Brought forward 3 4 0 Soft sand 0 5 0	īn.
Carrie	l forwa	ard	3	4	0		Carried forward 4 3 0	

# No. 1,755.—SHILBOTTLE.—CONTINUED.

Brought forward			In. 0	Fs.	Ft.	In.	Brought forward 3 2 7 4 5  Metal 0 5 0
COAL 0 5 Band 1 6							Metal         0       5       0         Limestone girdle        0       1       0         Blue metal        4       4       0
COAL 0 6	0	2	5	4	5	5	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Soft metal Limestone girdle	^		0 7	-			Soft grey metal 1 0 0 15 0
Carried forward	3	2	7	4	5	5	Total *20 0

<sup>\*</sup> Approximate sea level 260 feet below this.

# No. 1,756.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.  $55^{\circ}$  22′ 49″, Long.  $1^{\circ}$  41′ 13″.

Section of the Strata sunk through in the East or New Pit, Shilbottle Colliery.

Commenced October 14th, 1845.

						11						
0 1 1	Fs. F		Fs.	Ft. 1	ln.	Brought forward	Fs. 3		In.	Fs. 28	t. 5	In
		3 0					0	9		40	9	•
Soil and clay Freestone	1 3	7				Leafy post (ring here) Black metal	0	$\frac{3}{1}$	6			
	_	3 0						1	4			
Grey and blue metal	12 6	• 0				Slate and coal	U	1	4	4	0	
Eight - Yard Lime-										4	U	4
stone						Grey thilly post	0	1	0			
Ft. In.						Strong grey post	0	1				
Limestone 6 1						Dark grey post	0	1	0			
Metal 2 3						Strong blue metal and						
Limestone 2 6						catheads	5		0			
Metal 0 4						Bastard limestone	0	5	0			
Limestone 2 6						Limestone -Six Yard						
Metal 0 4						Limestone (got July						
Limestone 1 6						1st, through August						
Metal 0 7						10th; the whole						
Limestone 9 5						feeder here was 90						
	4	16				gallons per minute)	3	0	0			
Water much less here than in Eight-Yard Limestone.						COAL	0	ŏ	5		_	
M. ( 1	0	0 0								10	0	(
Metal		0  3				Grey thill	0	1	0			
COAL	0	0 3		_	_	Leafy post (ring here)	ŏ	5	ŏ			
C (1.23)		-	28	5	7	Blue metal, with hard	·	•	·			
Grey thilly post		1 0				girdles	1	0	0			
White post	2	5 6	•			Siraics	•	·	·			
Carried forward	3	0 6	28	5	7	Carried forward	$\frac{}{2}$	0	0	43	0	

# No. 1,756.—SHILBOTTLE.—CONTINUED.

Brought forward					Ft.		Brought forward	Fs.	Ft.	In.	Fs. 47		In. 11
Limestone — Little	_	U	٠	10	٠	U	Dark grey thill	0	2		T/	· ·	11
Limestone	0	2	0				Hard grey post						
Grey thill			6				Blue metal, with thin						
Grey thilly post	0	2	6				girdles	1	0	6			
Blue metal stone (ring							S .				2	0	6
here)	1	1	<b>2</b>								_	٠	-
COAL — Shilbottle													
Seam	0	2	4										
			-	4	3	6							
Carried for	var	d		47	3	11	Total		•••	*	49	4	 E

<sup>\*</sup> Approximate sea level  $19\frac{1}{2}$  feet below this.

# No. 1,757.—SHILBOTTLE.

#### TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22′ 6", Long. 1° 41′ 33".

Section of the Strata in the Staple or Town Pit, Shilbottle Colliery, sunk in Scott's Half- $\Lambda$ cre for a Smoke Pit, 6 feet in diameter. 1844.

Clay	Fs.	Ft. 5	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 8 5 6 30 0 2
Freestone—The Town Head Thill	9	1	0				Limestone—Six-Yard Limestone 3 0 0
Metal, with freestone bands	5	0	0				COAL 0 0 6
Clean metal, with no- dules of ironstone	8	3	0				Thill 0 3 0 Freestone 1 2 6
Limestone — Eight- Yard Limestone			0				Blue metal 1 0 0 Limestone — Little
COAL	0	0		28	3	6	Limestone 0 1 10 COAL and dant 0 0 3
Grey thill Beddy freestone	$0 \\ 1$	$\frac{1}{0}$					3 1 7
COĂL	0	0	8	1	2	8	Seggar clay 1 0 0  Roof stone, but did
Grey thill Freestone	-	2 2	6				not sink lower, stone drift being set away at this level.
Blue metal		í	ŏ				1 0 0
Carried forward	8	5	6	30	0	2	Total <u>*46 1 9</u>

<sup>\*</sup> Approximate sea level  $142\frac{1}{4}$  feet below this.

# No. 1,758.—SHILBOTTLE.

#### TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 38 of Ordnance Map. Lat. 55° 21′ 55", Long. 1° 43′ 17".

Account of Borings to rise (North-West) of the Well sunk at Shilbottle Tile Sheds.

December 27th, 1854.

1st Hole, 57 yards from Well.

Clay Ietal and b	eddy	freeston	 e				Fs. 3 0	Ft. 0 3		3 —	Ft.	In. 0
		No. 1										
<b>~1</b> .		2nd I			ds from			0	۵			
Clay Limestone t	umbl		•••	•••	•••		2 0	3 0	8 61			
Clay	umbi	er	•••				ŏ	3	$9\frac{1}{3}$			
Metal							ŏ	í				
Sandstone							ō	$\bar{2}$	0			
										3	ъ	11
		No. 1										
		3rd 1	Tole,	yar	ds fron	ı last.						
Clay Sandstone	···			•••			3 0 	1 2	0	3	3	1
٠.		No. 1,		–SHI 25 yara			C.	•				
Clay Sandstone							0	5 4	0 5 	3	3	<u>5</u>
		No. 1		–SHI 16 yara			E.					
Clay Sandstone							3 0	3	6 8	3	5	2

	No. 1, 6th		-SHI				•				
Clay Sandstone	•	•••			•••		0	In. 6 -8	Fs. 3	Ft. 2	In. 2
											_
	No. 1, 7th I		–SHI O <del>l</del> yard			C.					
Clay Sandstone	•••				•••	3 0 —	2 1	2 5 —	3	3	7
	No. 1,	765	-SHI	ГВОТ	TT.	- 0.					
			1 yard								
Clay Hard tumbler w	hin				•••	2 0 —	3 0	8 2	2	3	10
	No. 1, 9th		–SHI 5 yards			E.					
Clay						2	5	8			
Limestone tumb		•••	•••	•••		$egin{matrix} 0 \\ 1 \\ \end{bmatrix}$	1 2	1			
Sandstone Limestone						0 0 —	1 3	10 9 —	5	2	5
	No. 1,	767.–	-SHI	LBOT	TLI	C.					
	10th	Hole,	5 yard:	s from	last.		_	_			
Clay Sandstone tumb	oler	•••				2 0	3 2	7 3			
Clay Metal						0	2 3	6 8			
Limestone						ŏ	ŏ	6	4	0	6
											_
	No. 1,					C.					
Clay		Hole,	10 yard	ls from		2	5	9			
Clay Strong clay Limestone			•••			1 0		10 2	4	0	9
								_	=		_

# No. 1,769.—SHILBOTTLE.

12th Hole, 15 yards from last.

	12th E	tote, 1	o yara	sfrom	tast.				
						Fs.	Ft.	In.	Fs. Ft. In.
Clay			• • •			3	<b>2</b>	0	
Hard strong clay		• • •	• • •			0	4	1	
Beddy freestone a	nd metal					2	0	0	
Dark metal						0	1	0	
				•••		_			6 1 1
									O I I
						_			
	No. 1,7	70	-SHI	LBOT	$^{\prime\prime}$ LLI	₫.			
	1300 1	ioie, i	15 yara	is from	tast.				
Clay						2	5	4	
Hard tumbler						0	1	1	
									3 0 5
	No. 1,7	771	CHI	LROT	ו דיויי	7			
	110. 1,4	71	-0111	прот	TI	ч.			
	14th 1	Tole,	11 yard	ls from	last.				
au a		,		•					
Clay		• • •	• • •	• • •	• • •	3	3	0	
Hard strong clay				•••		1	1	0	
Beddy sandstone						0	0	8	
Dark metal						0	1	6	
						_			5  0  2
	No. 1,7	779	SHI	LBOT	ו דיויי	77			
	NO. 1,4	12	-orit	прот	. 1. 1./1	· 4.			
	15th 1	Hole,	16 yar	ds fron	ı last				
(Ilam							9	0	
Clay	•••	•••	•••	•••	• • •	3	3	0	
Hard strong clay		• • •	• • •	• • •	• • •	1	1	0	
Dark metal	•••	• • •	• • •	• • •	• • •	0	3	0	
									5 1 0
	TAT -		CITT	T DO	nnit :	13			
	No. 1,7	773	-8Н1	PROJ	LTT.	E.			
	16th	Hole	19 yara	ds from	last				
04	1000 1	2000,	Lo gare						
Clay		• • •	•••	•••	• • •	3	3	0	
Hard stony clay						0	5	7	
Metal						1		10	
Metal	•••		•••			0	4	6	
Limestone						0	0	6	
						-			6  4  5
	Got Lin	ttle L	imestor	e in th	is hol	le.			
				52.					
	No. 1,	77.1	_SHI	LRO	. זיןיין	E			
	•					1.1.			
	17th .	Hole,	7 yard	sfrom	last.				
		,	C.						
Clay						3	3	0	
Hard strong clay	• • • •					0	4	4	
Hard tumbler wh						0	0	8	
						_			4 2 0

	No. 1,	-SHI			Σ.					
Clay Hard stony clay Limestone		 			Fs. 3 1 0	Ft. 2 2 0		Fs. :	Ft. 1	in. 4
	No. 1,	–SHI 5 yard			2.					-
Clay Hard strong clay Hard tumbler	•••	 			3 0 0 —	2 2 0	0 0 2	3	4	2
CI.		–SHI 1 yara		last.		6	•			
Clay Hard strong clay Limestone		 	•••		3 1 0 	2 3 0	0 0 4	4	5	4
CI)	No, 1,	–SHI 6 yard								
Clay Hard stony clay Limestone		 •••	•••		3 1 0	2 4 0	0 2	5	0	2
	No. 1,	–SHI 7 yara			Ε.					
Clay Hard stony clay Metal	•••	 •••			3 1 1	2 4 1	0 6 10	6	2	4
	No. 1	–SHI 9 yara			Ξ.					
Clay Hard stony clay Metal COAL Hard white frees	   itone	 			3 1 1 0 0	4 4 3 0	0 6 0 2 2	7	3	10

# No. 1,781.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.  $55^{\circ}$  23′ 7″, Long.  $1^{\circ}$  40′ 20″.

An Account of Strata in Long Dyke Pit, Shilbottle Colliery, near Alnwick.

Approximate surface level 218 feet above sea (Ordnauce datum).

Freestone Dark metal	1 9 0	2	0	Fs.	Ft.	In.	Brought forward 18 3 9 16 0  Dark blue metal, with (1 4 2
Freestone Dark metal	9	3	0				Dark blue metal, with (1 4 2
Dark metal	0						Dark blue metal, with 11 4 2
		z	U				
	4						iron nodules 1 1 4
Limestone (8-Yard							COAL, coarse brown,
Limestone)	46	2	9				with spar 0 0 7
Black dant	0	2	2				21 3 1
COAL	0		2				Whinstone, white at
				16	0	1	top and dark blue
Grey beddy freestone	1	0	0		•	-	
Freestone		4	ŏ				towards bottom coal,
			_				a stone run and
Blue metal	U	1	U				mixed at top 0 2 7
Limestone, mixed with							COAL, coarse, with
red ochre	0	0	2				sulphate of iron 0 0 3
Beddy limestone and							0 2 1
metal	0	0	4				·
Whinstone							Dark thilly metal 0 2 9
Hard white stone	~	1	9				Grey thill stone 1 5 3
	U						2 2
Freestone	8	0	0				
Carried forward	18	3	9	16	0	1	Total 40 2
Curren 101 mara			•			_	10 11 11 11 11 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

N.B.—The coal was never reached, on account of a whin dyke being 80 yards to the south of pit.

### No. 1,782.—SHILBURNHAUGH.

TOWNSHIP OF WELLHAUGH, NORTHUMBERLAND.

Sheet 58 of Orduance Map. Lat. , Long.

Section of a Drift near Shilburnhaugh, East of Burn, and about 300 yards North-east of the Bridge over Whickhope Burn.

Approximate surface level feet above sea (Ordnance datum).

		1	Fs.	Ft.	In.	Fs.	Ft.	In.	
COAL-Shilburnhaugh Seam.									
Sholo		 	1	3	0				
COAL (as seen at Hawkhope) .		 	0	1	<b>2</b>				
Shale		 	1	0	0				
Girdles	•.•	 	1	3	0				
Whin (hard limestone, full of fossi	ls)	 	1	<b>2</b>	0				
	,					5	3	<b>2</b>	
Total .		 				5	3	_2	

Average dip, one in ten.

# No. 1,783.—SHILDON.

TOWNSHIP OF SHOTLEY HIGH QUARTER, NORTHUMBERLAND.

Sheet 108 of Ordnance Map. Lat.

, Long.

Section of Strata at Shildon, on the River Derwent.

Approximate surface level feet above sea (Ordnance datum).

			P 8.	Ft.	In.	Fs. Ft. In. Fs. Ft.	In.
7	0	0				Brought forward 32 0 3 27 3	0
7	0	0				Hazel 0 3 0	
8	3	6				Plate 2 1 0	
0	3	3				Hazel 0 4 0	
			23	0	9	Plate 5 2 0	
1	1	9				Limestone — Little	
3	0	6				$Limestone \dots 2 1 0$	
			4	<b>2</b>	3	Plate and coal 0 5 0	
11	0	6				<del></del>	3
1	4	9				Coal sill 1 1 3	
1	0	0				Plate 2 0 0	
						COAL 0 3 0	
1	4	0				<del> 3 4</del>	3
4	2	0				Low Coal sill 1 2 0	
4	3	6				White sill 3 4 0	
6	<b>4</b>	6				Grey beds 0 0 8	
<b>2</b>	0	0				Plate 1 0 0	
4	5	0				Great limestone 10 0 0	
4	0	0				<del></del>	8.
32	0	3	27	3	0	Total 101 0	2
	8 0 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 0 1 4 1 0 1 4 2 0 4 5 1 4 0	11 0 6 11 0 0 11 0 0 11 0 0 11 4 0 1 4 2 0 1 4 3 6 1 6 4 6 1 6 4 6 1 2 0 0 1 4 5 0	8 3 6 0 3 3 1 1 9 23 3 0 6 	8 3 6 0 3 3 1 1 9 23 0 23 0 6 	8 3 6 0 3 3 1 1 9 23 0 9 1 1 0 6 1 1 0 0 1 1 0 0 1 1 4 0 1 4 2 0 1 4 2 0 1 4 3 6 1 6 4 6 2 0 0 1 4 5 0 1 4 0 0	Plate

# No. 1,784.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of the Boring at Shildon, about yards to the West from the Pit.

April 25th, 1763.

Brown soil Brown stony clay Strong clay, with water	1 0 0	Brought forward Grey metal White and grey post Grey metal stone	5 1 1	3 0 3	0 0 0	. Ft. In.
Carried forward	5 3 0	Carried forward	8	4	0	

### No. 1,784.—SHILDON.—CONTINUED.

Brought forward 8 4 0  Grey post girdle 0 2 0  Grey metal stone 2 4 9	Brought forward 12 0 3  COAL, with a small hard girdle or lump
Grey and blue metal 0 0 10 Soft black metal 0 0 8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Carried forward 12 0 3	Total <u>12 2 5</u>

# No. 1,785.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

#### Bored at Shildon.

Approximate surface level feet above sea (Ordnance datum).

Soil Stony clay	0		0	Fs.	Ft.	In.	Brought forward 1 1 0 8 3 0 Grey metal, with post
White post, with metal partings and water							girdles 2 2 0   Black metal 0 0 9
coal, foul, with water	0	1	5	8	3	0	Grey metal 0 1 1 3 4 10
White post, with metal partings	0	3	0				Black metal 0 0 5 COAL 0 1 8
Brown and grey post, with metal partings	0	4	0			_	Grey metal 0 0 6
Carried forward	1	1	0	8	3	0	Total <u>16 0 6</u>

# No. 1,786.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

First Hole bored at Shildon, in Wood's Field.

Soil Sand, with part clay Stony clay		  (	s. Ft. In 1 6 1 6 7 5 0	. Fs. 8	Ft.	1n. 0
· T	otal	 		8	5	<u></u> .

### No. 1,787.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map.	Lat.	, Long.
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### Second Hole bored at Shildon, in Nafferton West Pasture.

Approximate surface level feet above sea (Ordnance datum).

Soil						 Fs.		In.	Fs.	Ft.	In.	
Stony clay								ŏ				
Gravel, with					•••	 0		0				
Stony clay, v	vith tu	mblers				 8	1	6				
Brown post					·	 2	0	6				
									11	2	0	
			_						_		_	
		To	tal	• • •	•••		• • •		11	2	0	

# No. 1,788.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Lat. , Long.

#### Fourth Hole bored at Shildon, in Harrison's Pasture.

Approximate surface level feet above sea (Ordnance datum).

Soil			0	1	0		Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 10 1 0
Stony clay				5					Grey metal, with post
COAL	***	• • •	0	1	4				girdles and water 3 · 1 · 6
						_ 3	1	4	Black metal 0 0 6
Post girdle	s and	metal							COAL, with water 0 1 7
partings			<b>2</b>	4	6				3 3 7
COAL			0	1	0				Grey metal stone 1 3 5
						2	5	6	Grey and brown post 2 0 0
Soft brow	n and	grev							Blue metal 2 0 0
			1	2	2				COAL 0 2 0
Grey and b	rown	metal	2	3	0				5 5 5
Black met					4				Black metal 0 1 0
			^	ŏ	$\tilde{8}$				2.001 metal 0 1, 0
00/12	•••	•••	_		_	4	0	2	
	Carri	ed for	war	d		10	1	0	Total 19 5 0

Note.—Bored another hole 2 fathoms and laid off by whin tumblers.

### No. 1,789.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in Mr. Hughes' Field, on South side of the New Shildon Workshops, on Lord Eldon's Estate.

Approximate surface level feet above sea (Ordnauce datum).

From the surface to	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
					-	0	Brought forward 4 3 9 17 3 (
the red sandstone	-		_	<b>2</b>	5	0	Brown sandstone 0 0 11
Red stone	1	1	0				COAL 0 2 1
Black metal	0	1	0				5 0 9
White stone	4	1	0				Seggar 1 1 1
Soft red sandstone	2	0	6				Ironstone 0 0 1
Hard red, similar to							Seggar 0 2 6
ironstone	1	0	0				Black jet 0 0 3
Sandstone	5	1	9				COAL 0 3 3
Black metal	ŏ	2	4				2 1 2
COAL	0	2	5				
COAL	U	2	U	1.4	4	0	1171.4
(D) :11		-	_	14	4	U	White sandstone 0 3 1
Thill	0	2	0				Blue metal 0 2 10
Seggar	2	4	0				Ironstone (like) 0 1 2
Ironstone	0	0	1				Blue metal 1 4 6
Seggar	1	3	8				Whinstone $0 0 0 \frac{1}{2}$
							2 5 10
			_			_	
Carried forward	4	3	9	17	3	0	Total 27 4 9

### No. 1,790.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through at Shildon Works, near the Engine Shed, in Sir George Musgrave's Estate. March 20th, 1855.

		Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	I
Depth of hole at th	ıe							Broug	ht forw	ard	15	1	5	13	$^{2}$	
		8	1	0				Blue metal					<b>4</b>			
Blue metal		1		4				Black meta	ıl		0	$^{2}$	10			
Grey metal		2	0	8				Grey metal					4			
COAL		0	1	6				COAL			0	1	1			
					11	5	6							21	2	
Seggar clay		0	4	9				Thill			0	3	10			
COAL		0	4	0				Post				1				
					1	2	9	Blue metal			1					
Grey post	. :	11	2	3				COAL, wit	th grey p	$_{\text{ost}}$	0	3	0			
Grey metal, with pos								·						$^{2}$	5	
		3	4	7				Grey post						0	1	1
		0	0	7				v 1								
									m . 1					0.5		_
Carried forward	. :	15	1	อี	13	<b>2</b>	3		Total	• • •		• • •	_	37	. 4	_
														P		

# No. 1,791.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Surtees Colliery, Old Shildon.

Approximate surface level feet above sea (Ordnauce datum).

Fs. Ft. In. Fs. Ft. In.  Brought forward 25 1 9  Supposed Yard Seam—  Ft. In.  COAL, good 0 6  Splint 0 2½  COAL, good 1 7  Splint 0 1½  COAL, soft  and coarse 0 10  —————————————————————————————————
Post, grey metal, etc. 25 5 0  Total 28 3 0

# No. 1,792.—SHILDON.

# TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata at Shildon Engine Pit. 1830.

Approximate level feet below sea (Ordnance datum).

Soil Strong clay Pipe clay Soft blue clay	Fs. Ft. In. Fs. Ft. In 0 1 6 1 0 0 1 0 0 7 5 6	Fs. Ft. In. Fs. Ft. In.  Brought forward 10 1 0  Five-Quarter Seam—  COAL 1 0  COAL, splint 0 9  COAL 3 0  White band 3 0  COAL 5 6
		$\frac{ 2 \cdot 1 \cdot 3}{ 12 \cdot 2 \cdot 3}$
Carried forwa	ard 10 1 0	Carried forward 12 2 3

# No. 1,792.—SHILDON.—CONTINUED.

Dh4 forward	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In. Brought forward 17 2 0 12 2 3
Brought forward Thill	0	4	0	14	4	J	Brought forward 17 2 0 12 2 3  Main Coal Seam—
Soft blue metal	2		ŏ			_	77
Grey metal, with post	_	V	·				COAL 1 6
girdles	3	0	0				Brown band $0 0\frac{1}{3}$
Whin, with water			ŏ				COAL 4 02
Grev metal, with post	•	·	•				COAL, coarse 0 6
	4	0	0				COAL, splint,
Blue metal, with post	_		-				with water 1 6
	6	0	0				$116\frac{1}{2}$
Dark blue metal, with							18 3 64
iron girdles	1	1	0				Black metal 0 0 4
e e							Thill 0 1 0
							COAL, with
							several small Ft. In.
							bands 3 0
							Brown band 0 11
							COAL, slaty 0 11
							0 4 10
							1 0 2
0 116 1		-	_	10	_	_	m . 1
Carried forward	17	2	0	12	2	3	Total 31 5 11½

# No. 1,793.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

An Account of Sinking at the Colliery of Robert Surtees, Esq., Royal Shildon Wallsend, in the year 1831.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In
Fine loamy soil	- 0	1	0			Brought forward 20 0 0
Clav	0	2	6			White post, very close
Clay Sand and gravel	2	5	6			and little water 2 0 0
Strong white post,	~	U	U			COAL, foul 0 0 4
mixed with rife		_				
partings	6	3	0			White post 1 4 0
Blue metal, mixed						Blue metal 0 1 6
with scares of grey						COAL, mixed with
post	3	3	0			lime and fire-coal 0 3 2
White post, rife of	-					2 2
partings	4.	'n	Λ			Strong grey metal 0 1 0
Grey metal, mixed	-1	v	U			Strong black stone 1 2 0
			^			Strong black stone 1 2 0
with brown girdles	z	3	U			1 3
Carried forward	20	Δ.	1			Total 26 0
Carried forward	20	U	U			10001 20 0

Section of the Coal.—In this seam there is 1 foot of coarse fire-coal at the bottom. 4 inches of splint upon the top of it, 1 foot 4 inches of fire-coal mixed with small scares of black bands, and the remaining 6 inches are of black slaty bands.—Edward Crone.

### No. 1,794.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map.	Lat.	, Long.
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Strata sunk through at the Water House, Soho, by the Stockton and Darlington Railway Company. April, 1859.

Approximate surface level

feet above sea (Ordnance datum).

Blue clay	Fs. 6	Ft. In 3		Ft.	In	Brought forward		Ft.	In.	Fs. 21		In.
Freestone post	9	3 (	)			Seggar clay	1	3	0			
COAL	0	1 1				Blue metal	4	1	9			
			16	1	4	COAL	-	3	7			
Seggar clay	0	4 5					_			6	2	4
Grey metal	2	5 2	;			Stone band	0	3	2	_		7
Post girdles	1	0 4	,			COAL	0	2	9			
COAL	0	2 3	,							0	5	11
			5	0	2						_	
	_				_					_		
Carried	forward	l	21	1	6	Total		•••	=	28	3	9

### No. 1,795.—SHILDON.

#### TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of the Boring at Shildon Lodge, about 170 yards West from Daniel Adamson's Public House, on Robert Surtees' Estate. April 12th, 1830.

9-11				Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Soil Gravel and water		3		4	Brought forward 18 5 0
Grey metal, with scares	U	4	0		Strong white and grey
of coal	٥	5	0		post, with a yellow sand parting at 4
Grey metal stone, with	U	U	U		feet from the top 3 5 6
post girdles	1	2	7		COAL 0 0 4
White and brown post	_	_	•		
(set away the water					Grey post, with black
at 8½ fathoms)	5	3	5		scares 1 2 10
Grey metal, with post					Grey metal with iron-
girdles	3	4	0		stone balls 0 2 4
Mild grey post, inclin-					Ft. In.
ing to metal stone	3	3	0		COAL, foul 0 5
Grey post, with scares	_	_	_		COAL, with
of coal Grey post	0	1	6		water, rather
Grey post	z	2	6		splinty and
					coarse in
					places 2 9
					0 3 2
					2 2 4
Carried forward	18	5	0		Carried forward 25 1

# No. 1,795.—SHILDON.—CONTINUED.

Dark grey metal stone, with whin girdles	Brought forward	Fs.	Ft.	In	Fs. 25		In. - 2	Brought forward	Fs.	Ft.	In.	Fs.		
with whin girdles					20		_					50	Z	1.1
Strong white post, mixed with whin girdles 1 3 6   Strong white post, mixed with whin 0 1 6   Strong white post, mixed with whin 0 1 6   Strong white post 0 4 0   Grey metal stone, with post girdles and water 2 2 0   COAL 0 0 8   Strong white post 0 0 0 1 10   Strong white post 0 1 10   Strong white post 0 1 10   Strong white post 0 4 6   Strong white post 0 1 1 9   Strong white post 0 4 6   Strong white post 0 1 1 9   Strong white post 0 1 10   Strong white post 0 4 6   Strong white post 0 1 1 9   Strong white post 0 1 1 0   Strong white post 0 1 1 0   Strong white post 0 1 1 0   Strong white post 0 1 0 8   Strong white post 0 1 0 8   Strong white post 0 1 0 9   Strong white post 0 1 1 0 8   Strong white post 0 1 1 0 8   Strong white post 0 1 1 0 8   Strong white post 0 1 1 10   Strong white post 0 1 1 0 8   Strong white post 1 1 1 9   Strong white post 1 1 1 9   Strong white post 1 1 1 9   Strong white post 0 1 1 0   Strong white post 1 1 1 9   Strong white post 0 1 1 0   Strong white post 1 1 1 9   Strong white post 0 1 1 0   Strong white post		1	0	2					9	1	1			
Sirong white post		_	•	_					4	T.	1			
Grey metal stone 2         2         2         0           Grey metal stone, with post girdles and water		1	3	6					Ω	1	6			
Grey metal stone, with post girdles and water										_	_			
Dork girdles   and water     2   2   0		-	-							_				
water          2         2         0           Dark grey metal, with girdles          1         1         0         3         3           Grey metal, with post girdle and water in places          5         0         4         4         0         3         0         0         3         0         0         3         0         0         0         3         0         0         0         3         0														
Dark grey metal, with girdles         1         1         0         3         0		2	2	0					_			3	2	3
Grey metal, with post girdle and water in places		_	_	Ŭ				Grey metal stone in-				0	o	o
Grey metal, with post girdle and water in places		1	1	0					2	2	10			
Grey metal, with whin girdles 2 5 0		_												
Strong white post   1 0 8   Strong white post   1 0 8			·						·	0	•			
COAL, with a scare of brass near the top, and burns to brown ashes 0 1 10           Grey metal 3 2 6         The strong ironstone girdles 1 1 9           Grey metal 3 2 6         The strong with girdles 3 2 6           Strong white post 0 4 8         The strong white post 0 4 8           Grey metal stone, with white post girdles 0 4 6         The strong white post 0 4 6           Whin 0 0 0 10         The strong white post 0 0 9           Strong white post with water at 49½ fathoms 1 4 9         The strong white post at 1 0 8           COAL 0 0 0 5         The strong white post at 1 0 8           Whin (29 shifts) 0 2 5         White post, mixed with whin 2 3 8           White post, mixed with whin 2 3 8         White post, mixed with whin 2 3 8           White post, mixed with whin 2 3 8         White post, mixed with whin 2 3 8           White post, mixed with whin 2 3 8         White post, mixed with whin 2 3 8           White post, mixed with whin 2 3 8         White post, mixed with whin 4 1 0           White post, mixed with whin 2 3 8         White post, mixed with whin 4 1 0           White post, mixed with whin 2 3 8         White post, mixed with whin 4 1 0		5	0	4					2	5	0			
of brass near the top, and burns to brown ashes       0       1 10       13       4 10       Grey metal stone, with hard girdles (into)       1       1       9       8 5         Grey metal         3 2 6       8 5       Recommenced June       6th, 1853:—       Dark metal stone       5 2 0       Strong white post       5 2 0       Strong white post, mixed with whin       2 2 0       COAL        0 3 10       COAL        0 3 10       Grey metal stone        5 2 0       Strong white post, mixed with whin       2 2 0       COAL       COAL        0 3 10        Grey metal stone        0 5 10       White post, mixed with whin       2 3 8									_	Ŭ				
top, and burns to brown ashes 0 1 10														
brown ashes          0         1         10           Grey metal           0         3         0           Grey metal           3         2         6           Strong white post          0         4         8           Grey metal stone, with white post         0         4         8           Grey metal stone, with white post          5         2         0           Strong white post          0         4         6         6th, 1853:—          Dark metal stone          5         2         0         COAL          0         3         10         COAL          0         3         10         Grey metal stone, with hard girdles (into)         1         4         9         Strong white post, mixed with whin          2         2         0         COAL          0         3         10         The property of the post, with whin          0         5         10         White post, mixed with whin          2         3         8         1         1         4         9         Yes         Yes <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>1</td><td>9</td><td></td><td></td><td></td></td<>									1	1	9			
A		0	1	10					-	_	•			
Grey metal         0         3         0           Grey stone, with girdles         3         2         6           Strong white post         0         4         8           Grey metal stone, with white post girdles         2         4         10           Strong white post         0         4         6           Whin         0         0         0         10           Strong white post         1         0         9           Strong white post, with water at 49½ fathoms         1         4         9           COAL         0         0         2         5           White post, mixed with whin         2         3         8           White post, mixed with whin         4         1         0           White post, mixed with whin         4         1         0           White post, mixed with whin         4         1         0           White post, mixed with whin <td< td=""><td></td><td></td><td></td><td></td><td>13</td><td>4</td><td>10</td><td></td><td>1</td><td>4.</td><td>9</td><td></td><td></td><td></td></td<>					13	4	10		1	4.	9			
Grey stone, with girdles       3 2 6         Strong white post       0 4 8         Grey metal stone, with white post girdles       2 4 10         Strong white post       0 4 6         Whin       0 0 10         Strong white post       1 0 8         Whin girdle       0 0 9         Strong white post, with water at 49½ fathoms       1 4 9         COAL       0 0 5         The commenced June 6th, 1853:—         Dark metal stone       5 2 0         Strong white post, mixed with whin       2 2 0         White post, mixed with whin       0 5 10         White post, mixed with whin       2 3 8         White post, mixed with whin       0 2 5         White post, mixed with whin       0 2 1         White post, mixed with       0 2 5         White post, mixed with	Grev metal	0	3	0				guara (mas)			_	8	5	4
dles         3       2       6         Strong white post        0       4       8         Grey metal stone, with white post girdles        2       4       10         Strong white post        0       0       10         Strong white post        0       0       10         Strong white post        0       0       9         Strong white post, with water at 49½ fathoms        1       4       9         COAL        0       0       5       10         White post, mixed with whin        2       3       8       1         White post, mixed with whin        2       3       8       1       1         Whin (29 shifts)        0       2       5       5       White post, mixed with whin       4       1       0         White post, mixed       with whin        4       1       0       0       2       1       0       0       2       1       0       0       2       1       0       0       2       1       0       0       1								Recommenced June				_	•	•
Dark metal stone	Ji	3	2	6				6th. 1853 :						
Strong white post girdles   2   4   10									5	2	0			
white post girdles 2       2       4       10         Strong white post 0       0       4       6         Whin 0       0       0       10         Strong white post 1       0       0       9         Strong white post, with water at 49½ fathoms 1       1       4       9         COAL 0       0       5       0       2       1         White post, mixed with whin 2       3       8       1       1         White post, mixed with whin 2       3       8       1       1         White post, mixed with whin 2       3       8       8       1         White post, mixed with whin 2       3       8       8       1       1         White post, mixed with whin 2       3       8       8       1       1       1       2       3       8       1       1       3       3       1       1       3       4       1       0       2       5       3       4       1       0       0       2       1       3       4       1       0       0       2       1       2       2       0       2       1       3       3 <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>_</td> <td></td> <td></td> <td></td> <td></td>		_							-	_				
Strong white post       0       4       6         Whin        0       0       10         Strong white post       1       0       8       1         Whin girdle        0       0       9         Strong white post, with water at 49½ fathoms       1       4       9         COAL        0       0       5         White post, mixed with whin       2       3       8         White post, mixed with whin       4       1       0         White post, mixed with whin       4       1       0         White post, mixed with with whin       4       1       0         White post, mixed with with whin       4       1       0         White post, mixed with with whin       4       1       0         White post, mixed with white post,		2	4	10					2	2	0			
Strong white post 1 0 8   White post, mixed with whin 0 0 0 5   White post, mixed with whin with water at 49½ fathoms 1 4 9   COAL 0 0 5 5   The strong white post, mixed with white post, m		0	4	6				COAL	ō	3	10			
Whin         0       0       10         Strong white post        1       0       8         Whin girdle        0       0       9         Strong white post, with water at 49½ fathoms        1       4       9         COAL        0       0       5       White post, mixed with whin        2       3         White post, mixed with whith whith whith with whith	8 1			_	8	1	6					8	1	10
Strong white post 1 0 8       White post, mixed with whin 2 3 8         Whin girdle 0 0 9       White post, mixed with whin 2 3 8         Strong white post, with water at 49½ fathoms 1 4 9       White post, mixed with whin 4 1 0         COAL 0 0 5       White post, mixed with whin 4 1 0         White post, mixed with white post, mixed with whith 4 1 0         White post, mixed with whit	Whin	0	0	10				Grev metal stone	0	5	10			
Whin girdle 0 0 9 9			0	8										
Strong white post, with water at 49½ fathoms 1 4 9       Whin (29 shifts) 0 2 5         COAL 0 0 5       White post, mixed with whin 4 1 0         Whin (into) 0 2 1       Whin (into) 0 2 1			0	9				-1	2	3	8			
with water at 49½ fathoms 1 4 9 White post, mixed with whin 4 1 0 Whin (into) 0 2 1 8 3														
fathoms 1 4 9 with whin 4 1 0 Whin (into) 0 2 1														
3 1 5 S 3	0 13	1	4	9					4	1	0			
<u>3 1 5</u>	COAL										1			
Carried forward 50 2 11 Total 79 4					3	1	5	1.				8	3	0
Carried forward 50 2 11 Total 79 4														
	Carried for	war	d		50	2	11	Total				79	4	4

Left off 21st January, 1854.

### No. 1,796.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 32″, Long. 1° 38′ 57″.

Account of Strata sunk through in the Furnace Shaft, Shildon Lodge Colliery. November, 1864.

Soil Fs. Ft. In, Fs. Ft. In. Blue stony coarse clay 0 4 0	Brought forward 0 5 0 Loose rubble post 0 0 7	Fs.		
Carried forward 0 5 0	Carried forward	0	5	7

# No. 1,796.—SHILDON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 0	Ft. 5	In. 7	Brought forward	Fs.	Ft.	In.	Fs. 35	Ft.	
COAL (north							Seggar clay Grey metal, with iron-	0	2	0			
side of pit 10							stone balls	_3	4	0			
inches, south 6 inches) 0 10							of water per hour)	0	2	6			
oft grey me- tal, with post							Seggar clay	0	3	0	4	2	
girdles 1 1 COAL 0 6							Strong stony grey metal, with post						
o o	0	2	5	0		_	girdles	2	1	6			
eggar clay	7	1	10	0	2	5	Seam (680 gallons of						
rey metal, with post girdles	0	0	5				water per hour)	0	3	0	3	1	
OAL	0	2	0	7	4	3	Seggar clay	0	1	10 3	Ĭ	_	
eggar clay	1	3	0	′	4	Э	Grey post Grey whin	0	3	9			
rey post lue metal, with coal	0	3	0				Grey post Strong white rough	2	3	0			
pipes eggar clay	$\frac{1}{0}$	0 3	1 0				post	$\frac{2}{0}$	3 1	8			
OAL, foul, mixed							COAL	0	ō	6	_	_	
with stone	0	1	-6 	3	4	7	Seggar clay	0	2	2	7	5	
eggar clay lue metal, with iron-	2	4	8				Dark grey metal Grey post, with metal	0	2	6			
stone girdles	0	1	4				partings (water 800 gallons per hour)	1	3	9			
OAL, top 1 2	•						Grey metal	0	3	6			
eggar clay band 3 10 OAL, bottom 2 0							COAL, splint	0	0	1	3	0	
	1	1	0	4	2	6	Grey metal, with iron- stone bands	0	5	8			
ire clay thill Thite post (20 gallons	4	0	5				Post girdles, with metal partings (wa-			-			
of water per minute)	0	2	8				ter 840 gallons per						
Thin Thite post	1 1	$\frac{2}{3}$	0				coal	$\frac{1}{0}$	0	4 9			
ost girdles, with me- tal partings	1	1	7				Seggar clay	0	3	0	2	1	
rey post Thin	0	2 5	0 4				Grey post Grey metal, with iron-	0	3	6			
rey post	0	1	0				stone balls	1	2	0			
OAL	0	5	0	10	5	0	COAL	0	1	0	2	3	
eggar clay, with iron- stone balls	2	2	4				Seggar clay Post girdles, with me-	0	2	0			
rey metal, with post girdles	3	1	4				tal partings	$\frac{3}{0}$	0 1	0 6			
lack stone, mixed							Post girdles, with me						
with coal ark grey metal	0	$egin{matrix} 0 \\ 2 \end{matrix}$	9 7				tal partings COAL Brockwell	2	0	1			
Thite post rey metal	0	$\frac{3}{2}$	$\frac{0}{2}$				Seam	0	5	4	6	2	
OAL (a 5-inch band of fire clay 6 inches							Seggar clay	0	2	9			
from the top)	0	2	3	-	0	_	Post girdles, with metal partings	1	3	3		0	
				7	2	5					2	0	
Carried for	war	d		35	1	3	Total			*	67	0	

<sup>\*</sup> Approximate sea level 42 feet below this.

#### No. 1,797.—SHINCLIFFE.

#### TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Account of the Boring in Shincliffe Estate. October 3rd, 1836.

Approximate surface level feet above sea (Ordnauce datum).

Stony clay Blue leafy clay					$_1^{\mathrm{Fs.}}$	Ft. 3	In. 6	Fs.	Ft.	In.	
Blue leafy clay					2	1	0				
Brown leafy clay,	mixed with	sand	in sev	veral							
places						4	6				
•								24	3	0	
	Total							24	3	0	

# No. 1,798.—SHINCLIFFE.

#### TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat.  $54^{\circ}$  45' 17'', Long.  $1^{\circ}$  32'' 15''.

Section of Strata sunk through at Shincliffe Colliery, east of Turnpike Road.

Commenced September 11th, 1837.

Yellow clay Blue clay Sand, dark, loamy, and damp Blue loamy clay Sand dark loamy and	0	1	4	Brought forward Sandy clay Clay, blue and strong Sand parting Clay, blue and strong	$\frac{16}{0}$	$\frac{2}{0}$	7 5		
Sand, dark, loamy, and damp Blue loamy clay				Sandy clay	0	0	- 5		
damp Blue loamy clay	0	3	8	Clare blue and strong			0		
Blue loamy clay	0	3	8	Clay, blue and strong	3	3	7		
Blue loamy clay	0		-	Sand parting	0	0	6		
Sand dowle loomer and		1	0	Clay, blue and strong	0	3	0		
Sand, dark, loamy, and				Sand parting	U	U	6		
damp	0	1	8	Clay, blue and strong	<b>2</b>	0	0		
Blue loamy clay	0	1	6	Brown leafy clay	1	<b>2</b>	6		
Sand, light, loamy, and				Clay, brown and strong	0	1	9		
damp	0	1	0	Dry loam (bucket door					
Clay, blue and strong	2	2	0	holes in this loam)	3	2	2		
Sand, light, loamy, and				Dry sand		2	0		
dry		1	0	Damp sand (top of cis-					
Fine clay, mixed with				tern holes for high					
loamy sand	0	4	0	pump)	0	0	6		
Sand, light, loamy, and				Very strong brown					
dry	0	2	G	clay, mixed with					
Dark loamy clay			0	stone	1	3	0		
Sand, loamy, fine, and				Blue metal, very soft					
dry	3	5	8	and jointy (got first					
Sand, sharp and dry	1	5	6	water)	2	0	4		
Sand, loamy and dry	ī	1	5	White post girdle	ō	ĭ	Ô		
Damp sand	õ	4	ŏ	Dark metal, scared	-	_	-		
Sand, quick, with wa-	v	-	•	with post	0	3	6		
ter	0	5	4	Post girdles, with me-		•	U		
Clay, blue and strong	-		6	tal partings	0	2	6		
Cia, blue and strong	U	-30	U	l to borrings	_	_	_		
Carried forward	16	2	7	Carried forward	32	5	10		

### No. 1,798.—SHINCLIFFE.—CONTINUED.

Brought forward 32 5 10 Dark post, scared with blue 0 3 0 Dark metal 0 0 0 8 COAL 0 0 0 6 Soft thill stone, with water 0 2 0 Blue metal, very jointy and more water 0 1 10 Grey post and more water 0 1 10 COAL 0 0 7 Thill stone 0 1 6 Grey metal stone, with post girdles 0 3 10 Grey metal stone, with post girdles 0 3 3 0 White post 0 3 10 Grey metal and post girdles 0 3 3 0 Dark metal 0 3 10 Grey metal and post girdles 1 2 4 Blue metal 0 0 8 Very strong white post 1 2 6 Blue metal 1 5 7 Grey metal and post girdles 0 3 10 Soft blue metal 0 3 10 Soft blue metal 0 3 3 Dark metal 0 3 10 Grey metal and post girdles 0 3 10 Soft blue metal 0 3 10 Figure 1 2 4 Grey metal and post girdles 0 3 10 Soft blue metal 0 3 10 Grey metal and post girdles 0 3 10 Soft blue metal 0 3 2 White post 0 2 10 Grey metal 0 2 6 Hutton Seam  Ft. In. COAL, good 4 1½ Band 0 0½ COAL , splint 1 8½ Seam 0 2 5								
Dark post, scared with blue 0 3 3 0   Dark metal 0 0 8   COAL 0 0 0 6   33 5 0   Soft thill stone, with water 0 2 0   Blue metal, very jointy and more water 2 0 0 0   Grey post and more water 0 1 10   COAL 0 0 0 7   2 4 5   Grey metal stone, with post girdles 0 1 6   Grey metal stone, with post girdles 0 3 3 0   Dark metal 1 5 7   Grey metal and post girdles 0 3 3 0   Dark metal 0 3 10   Soft blue metal 0 2 10   Grey metal 0 2 6   Hutton Seam	D1.4 C				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
With blue		32	Э	10				
Dark metal       0   0   8								
Blue metal	with blue	0		0				COAL 0 0 8
Blue metal	Dark metal	0	0	8				0 4
Very strong white	COAL	0	0	6				
Soft thill stone, with water					33	5	0	
Water	Soft thill stone with				-	•	·	
Blue metal, very jointy and more water 2 0 0 0 Grey post and more water 0 1 10 cwater 0 1 10  COAL 0 0 7 2 4 5  Thill stone 0 1 6 Grey metal stone, with post girdles 0 3 10 Grey metal stone, with post girdles 0 3 10 Grey metal stone, with post girdles 0 3 10 Grey metal stone, with post girdles 0 2 10 Grey metal stone, with post girdles 0 2 10 Grey metal 0 2 5 White post, full of { 8 4 1 1		Λ	9	Λ				
and more water 2 0 0  Grey post and more water 2 0 0  Grey post and more water 0 1 10  COAL 0 0 7  Thill stone 0 1 6  Grey metal stone, with post girdles 0 3 10  Grey metal stone, with post girdles 0 5 0  White post 3 4 0  White post 3 4 0  White post full of { 8 4 1   8 4		U	2	U				
Grey post and more water 0 1 10         Grey metal and post girdles 0 3 3           Dhill stone 0 1 6         Dark metal 0 3 10           Grey metal stone, with post girdles 0 5 0         White post 0 2 10           White post, full of { 8 4 1         White post, full of { 8 4 1           water { 2 0 3         *           COAL — Low Main Seam 0 2 5         To AL, splint 1 8½           Scoft stone 0 0 0 7         Soft stone 0 0 0 11           Mild grey metal 0 4 0         Strong white post 0 4 0           Strong white post 0 4 0         Black stone 0 0 4 6           Grey metal and post girdles 0 3 3         Dark metal 0 3 4           White post 0 2 10         Grey metal 0 2 6           Hutton Seam 0 0 0½         COAL, good 4 1½           Baud 0 0½         COAL, splint 1 8½           Sump :         Soft thill stone 0 0 0 6           Strong white post 0 4 0         White post 0 5 0           Black stone 0 4 0         Black stone 0 4 6           Blue stone 1 2 6         Grey metal 0 3 4           White post 0 2 0         In grey post 1 2 0			^	^				
Water     0   1   10   10   10   10   10		Z	U	U				
COAL           0         0         7           Thill stone           0         1         6           Grey metal stone, with post girdles          0         5         0           White post, full of { water          3         4         0           White post, full of { water          2         0         3           COAL — Low Main Seam           0         2         5           Scoft stone           0         0         7           COAL, coarse           0         0         11           Strong white post          0         4         0           Wild grey metal          0         4         0           Strong white post          0         4         0           Grey metal          0         4         0           White post          0         5         0           Black stone          0         5         0           Black stone          0         2		_	_					
Thill stone								
Thill stone 0 1 6 Grey metal stone, with post girdles 0 5 0 White post 3 4 0 White post 3 4 0 White post, full of   8 4 1     2 0 3     8  COAL — Low Main Seam 0 2 5     15 5 3   Soft stone 0 0 0 7  COAL, coarse 0 0 11   0 1 6  Strong white post 0 4 0 Grey metal 0 2 5  Soft stone white post 0 4 0 Grey metal 0 4 0  Strong white post 0 4 0 Grey metal 0 2 6  Black stone 0 0 6 6  Strong thill stone 0 4 0 White post 0 4 0 White post 0 0 0 6 Strong thill stone 0 4 0 Black stone 0 4 6 Blue stone 0 4 6 Grey metal 0 3 4 White post 0 3 4 In grey post 1 2 0 In grey post 1 2 0	COAL	0	0	7				
Grey metal stone, with post girdles 0 5 0 White post 3 4 0 White post, full of ( 8 4 1 water ) 2 0 3 **  COAL — Low Main Seam 0 2 5 5					<b>2</b>	4	5	Soft blue metal 0 3 4
Post girdles	Thill stone	0	1	6				White post 0 2 10
Post girdles	Grev metal stone, with							Grev metal 0 2 6
White post 3 4 0 White post, full of ( 8 4 1		0	5	0				
White post, full of { 8 4 1								
water        2 0 3       *       Band        0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
COAL — Low Main  Seam 0 2 5  Soft stone 0 0 0 7  COAL, coarse 0 0 11  Mild grey metal 0 4 0  Strong white post 0 4 0  Grey metal 4 2 0  Dark blue metal 0 5 8  COAL 0 0 9  Grey metal 0 0 0 9  In grey post 1 2 0  In grey post 1 2 0							*	
Seam       0 2 5   15 5 3		z	U	3				
Soft stone     0 0 7   7   8 2 8   8   8   8   8   8   8   8   8								
Sump :	Seam	0	2	5				
COAL, coarse       0 0 11       0 1 6       Soft thill stone       0 0 6       Strong thill stone       0 4 0       White post 0 5 0       Black stone 0 4 6       Blue stone 0 4 6       Blue stone 1 2 6       Grey metal 0 3 4       White post 0 3 4       White post 0 2 0       In grey post 1 2 0       5 5 1					15	5	3	
Mild grey metal 0 4 0 White post 0 5 0 Black stone 0 4 6 Grey metal 0 5 8 COAL 0 0 9 Grey metal 0 0 9 Grey metal 0 0 9 Grey metal 0 0 0 0 9 Grey metal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Soft stone	0	0	7				
Strong thill stone   0 4 0   White post   0 5 0	COAL, coarse	0	0	11				
Strong white post 0 4 0 Grey metal 4 2 0 Dark blue metal 0 5 8 COAL 0 0 9 In grey post 0 2 0 In grey post 1 2 0  5 5 1	•				0	1	6	Strong thill stone 0 4 0
Strong white post 0 4 0 Grey metal 4 2 0 Dark blue metal 0 5 8 COAL 0 0 9 In grey post 0 2 0 In grey post 1 2 0  To grey post 1 2 0	Mild grey metal	0	4	0	_	_	•	White post 0 5 0
Grey metal		-	_					
Dark blue metal 0 5 8 Grey metal 0 3 4 White post 0 2 0 In grey post 1 2 0				-				
White post 0 2 0 In grey post 1 2 0  5 5 1		_						
6 4 5 In grey post 1 2 0		•						
5 5 1	COAL	U	U	9			_	
					6	4	Э	
Carried forward 59 1 7 Total 74 2 7								— 5 5 IC
Carried forward 59 1 7 Iolai 74 2 7	C		3				_	Total 74 9 7
	Carried for	war	u		99	1	7	10001 74 2 13

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,799.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Account of Strata bored through from the Hutton Seam, Shincliffe Colliery. Commenced June 21st, 1867, and finished February 10th, 1868.

	Fs. Ft	. In.	Fs.	Ft.	In.		Fs.	Ft.	In. Fs	. Ft.	In.
Sunk to thill of Hut-						Brought forward					
ton Seam			68	3	$9\frac{1}{2}$	Dark grey metal, with					•
Grey metal thill	0 5	0			_	water and gas	0	4	6		
Strong grey post						Grey metal, with post					
Grey metal						girdles	3	2	6		
Hard white post	1 1	10				Black stone, mixed					
						with coal	0	1	0		
						Strong grey post	0	3	5		
										_	
Carried forward	3 1	7	68	3	$9\frac{1}{2}$	Carried forward	8	1	0 68	3	$9^{\frac{1}{2}}$

# No. 1,799.—SHINCLIFFE.—CONTINUED.

Brought forward	Fs.	Ft.	In. 0	Fs. 68	Ft. 3	$\begin{array}{c} \text{In.} \\ 9\frac{1}{2} \end{array}$	Brought forward	Fs.	Ft.	In. 1	Fs. 13		
ark grey metal, with hard post girdles,	,	_	9				Strong grey metal, with post girdles	0	5	6			2
gas, and water	$\frac{1}{0}$	5 0	3 5				at top and bottom,						
				10	0	8	with soft dark partings, a little gas						
ight grey thill lard white post, with	0	0	7				and water Grey metal, with iron-	8	5	6			
gas and water trong grey metal, mixed with iron-	1	5	6				stone girdles Black stone, with gas COAL, heavy blower	0	$\frac{1}{0}$	5 6			
stone girdles, dark near the bottom	5	2	9				of gas	0	0	5	10	1	
trong grey metal, with post girdles	4	4	5				C				10	1	
OAL—Harvey Seam	0	1	10	12	3	1	Dark grey metal, with hard girdles and gas	0	0	8			
Frown metal thill,							at bottom Grey and white post,	2	1	8			
with ironstone Black stone, mixed	2	2	7				with soft partings Soft grey metal, with	1	4	4			
with coal (gave off gas)	0	0	6				post girdles Very hard white post	$\frac{2}{0}$	$\frac{5}{1}$	$\frac{1}{6}$			
ight grey metal thill coarse, gas	0	2	9				Strong grey metal Snappy black stone	0	0	10 11			
given off	0	0	4	3	0	2	COAL	0	0	8	7	3	
Oark grey metal	0	1	, 6				Hard brown thill	_	1	5	'	J	
trong light grey me-	0	2	3				Strong grey post, with soft partings and 3	U		J			
trong grey post, with metal partings	2	4	0				feet of very hard post in the middle	2	3	3			
lard white post, with metal partings	9	4					Strong grey metal	0					
Dark grey metal	0	0	7				little gas	0	0	7		0	
Durania	_			13	1	3		_			3	0	
Brown metal thill Strong grey metal, with post girdles	3	1 5					Strong grey metal Strong grey post Blue metal, with iron-	$\frac{0}{2}$	1	3 6			
Soft dark grey metal Ft. In.	0	_					stone girdles Strong grey metal,	2	1	2			
COAL, coarse 0 4							with post girdles and a little water	2	2	6			
	0	1	8		3		Hard white post Strong grey metal,	1	1	3			
Brown metal thill	0	2	3	4	3	8	with thin post girdles	1	4	7			
strong grey metal, with post girdle	0	4	. 2	;			Hard white post, with partings Strong grey metal	1	4	5			
oft dark grey metal, with scares of coal,							stone, with gas	1	2				
gas given off COAL, coarse	0			)	3	10	Hard white post		J	TE.			
											10	4 6	
Carried	fo	rwa	rd	113	4	$5\frac{1}{2}$	Carried forward	14	Z	4	134	± đ	

# No. 1,799.—SHINCLIFFE.—CONTINUED.

Brought forward 14 2 4 134 3 9½ Strong grey post, hard at the top 1 5 0 Snappy grey metal, with thin post girdles 1 2 6 COAL, slaty, very	Brought forward Light grey metal thill Grey post 0 4 4 Strong light grey post - 0 5 0 Strong dark grey post, with metal partings 1 0 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Total $\frac{155 \ 1 \ 8\frac{1}{2}}{}$

# No. 1,800.—SHIPCOTE.

TOWNSHIP OF GATESHEAD EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57′ 33″, Long. 1° 35′ 41″.

Section of Strata at the North Pit, Shipcote Colliery.

Gravel	Fs. Ft. In. Fs. Ft. In. 1 2 0	Brought forward	Fs.	Ft.		Fs.	Ft. 4	In.
Clay Gravel Freestone post	2 1 9 6 1 5 W	re clay ey metal hite post	-	2				
Seam	1 0 0	Seam			2	9	2	8
Grey metal and post girdles COAL — Metal Coal	5 0 3 WI	ue metal hite post, with wa- ter	<b>2</b> 9	0	8			
Seam	5 4 3 CO	re clay DAL—6/4 or Maud- in Seam		5 3	6			
Blue metal COAL — Stone Coal Seam	3 5 4 Blu	ue metal DAL—5/4 Seam		0 2		12	3	10
Fire clay	0 2 0 Blu	ne metal and post			_	3	2	9
Blue metal COAL	0 1 10 Wi	girdles nite post, with wa- er			5			
Fire clay White post, with water <b>COAL</b> —Yard Seam	5 3 1 CC	DAL — Low Main or Hutton Seam		3 5	0			
	6 1 11					10	2	5
Carried for	vard 33 4 1	Total			_	69	3	9

### No. 1,801.—SHIREMOOR.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored on Shiremoor, about 290 yards South-east from the West Boundary Stone, and 250 yards South-east from the Hole at the Boundary, in 1749.

Fs. Ft. In. Fs. Ft. In. Brought forward   Fs. Ft. In. Fs. Ft. In. Blue stony clay   1 1 6   2 0 0 0								`		,				
Soft brown post, with red partings and water	Soil and yellow clay			-	Fs.	Ft.	In.							
Soft brown post, with red partings and water	Blue stony clay	1	1	6										
Grey metal, with catheads   COAL				—	2	0	0		1					
Mater	Soft brown post, with								0	0	4			
Soft metal														
Black metal														
Blue grey metal			2											
Black metal     0   0   8   Brownish red metal     1   0   0   Blue metal     0   0   4   0   Blue metal     0   0   0   0   0   0   0   0	Black metal	0	0	4				COAL	0	0	7			
Brownish red metal		0	3									6	5	3
Blue metal       3   3   0	Black metal		0						0	4	0			
Grey metal stone, with post girdles and water 0 0 0 11   1 3 2	Brownish red metal	1	0	0					0	4	0			
Dost girdles   and water       0   3   0   0   0   0   0   0   0   0	Blue metal	3	3	0					0					
Black metal   Scared with coal   Strong white post, with whin and water   Strong white post, with white and grey metal   Strong white post, with water   Strong white post, with white and grey metal   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with water   Strong white post, with white and grey metal   Strong white post, with water   Strong white post, with white and grey metal   Strong white post, with white and grey post girdles   Strong white post, with metal partings   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with metal partings   Strong white post, with white and grey post girdles   Strong white post, with metal partings   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with white and grey post girdles   Strong white post, with white and grey metal   Strong white post   Strong								COAL	0	0	11	1	3	2
Strong white post, with with catheads   0   2   0   0   0   0   0   0   0   0		0	3	0				Black metal, scared						
Black metal 0 0 0 6   COAL 0 0 0 1 0   Coal 0 0 1 4   Coal 0 0 1 4   Coal 0 0 1 4   Coal 0 0 1 6   Coal 0 0 1 4   Coal 0 0 1 6   Coal 0 0 0 8   Coal 0 0 0 6   Coal		0		0				with coal	0	0	4			
COAL	D1. 1 1	0	_						0	1	0			
Black and grey metal   0 2 0   0 2 0   0   0   0   0   0   0	0011	0		6					1	0	0			
Black and grey metal   0		_		-	14	2	0	Blue and grey metal,						
Crey metal stone, with post girdles and water	Black and grev metal	0	2					with small scares of						
Strong white post, with whin and water 0 1 6	Grev metal stone, with	•	_	•				1	0	1	4			
water       1														
Section   Color   Co	motor.	1	3	0										
Grey metal stone   1 0 0 0		-	Ü	•				1	0	1	6			
Column		0	5	0					•	_	.,			
Blue and grey metal, with catheads 0 2 0 0   Black metal 0 2 0 0   Black metal 0 0 2 0   Black metal 0 0 0 7   COAL 0 0 0 7   3 2 11									1	0	0			
Searce of coal		-	٠	·					-	•	•			
Black metal 0 2 0   Copy metal stone, with post girdles and water 1 3 0   Blue metal 0 0 0 7   3 2 11		2	3	0					0	3	0			
COAL														
Description		U	_	Ü										
Grey post, with water of Grey post, with water of Grey metal         3 4 0         6 orey post         0 3 0         6 orey post         0 3 0         6 orey post         0 0 3 0         6 orey metal stone, with post girdles and water         0 0 4         0 orey post	post girdles and							701			_	3	2	11
Grey metal 0 4 0  Black metal, scared with coal 0 0 4  Blue grey metal 0 1 6  Black metal 0 0 2  COAL, foul 0 0 8  Black and grey metal, with some small scares of coal 0 2 4  Grey metal, with white and grey post girdles 3 3 0  Black metal 0 3 0  Grey metal stone, with post girdles and water 1 2 0  Grey post 1 2 0  Grey and white post, with metal partings 0 5 0  Grey and black metal 0 2 0  Grey metal, with post girdles 1 3 6  Blue and black metal 0 1 6  Grey metal 0 5 0  Grey metal 0 5 0  Grey metal 0 5 0  Grey metal stone, with post water 1 2 0  Grey and white post, with metal partings 0 5 0  Grey metal with post girdles 1 3 6  Grey metal 0 5 0  Grey metal stone, with post water 1 2 0	~							1	-					
Discrete									U	3	U			
with coal        0       0       4         Blue grey metal       0       1       6       Grey post       1       2       0         Black metal        0       0       8       Grey and white post, with metal partings 0       5       0         Black and grey metal, with some small scares of coal        0       2       4       8       Blue and black metal 0       2       0         Grey metal, with white and grey post girdles and grey post girdles sheads       3       3       0       0       5       0         Grey metal       0       0       5       0 </td <td></td> <td>0</td> <td>4</td> <td>0</td> <td></td>		0	4	0										
Blue grey metal     0   1   6   6   6   6   6   6   6   6   6									-	_	_			
Black metal 0 0 2   Grey and white post, with metal partings 0 5 0 Grey and black metal 0 2 0 Grey metal, with some small seares of coal 0 2 4 Grey metal, with white and grey post girdles 3 3 0 Grey metal 0 5 0 Grey and white post, with metal partings 0 5 0 Grey metal with post girdles 1 3 6 Blue and black metal 0 1 6 Grey metal 0 5 0 Grey and white post, with metal partings and water 1 3 0 Grey metal 0 5 0 Grey and white post, with metal partings and water 1 3 0 Grey metal 0 2 0								and the second s			_			
With metal partings   0   5   0		_							1	2	U			
12 4 8   Grey and black metal 0 2 0   Grey metal, with some small scares of coal 0 2 4   Blue and black metal 0 1 6   Grey metal, with white and grey post girdles 3 3 0   Grey metal 0 5 0   Grey and white post, with metal partings and water 1 3 0   Grey metal 0 2 0   Grey metal 0 3 0   G		-	-						_	_				
Black and grey metal, with some small	COAL, foul	0	0	8					_					
with some small scares of coal 0 2 4         girdles 1 3 6           Grey metal, with white and grey post girdles Blue and black metal 0 1 6         Grey metal 0 5 0           Blue metal, with catheads 0 3 0         Grey and white post, with metal partings and water 1 3 0           Black metal 0 0 6         Grey metal 0 2 0					12	4	8		0	Z	0			
scarces of coal        0       2       4       Blue and black metal       0       1       6         Grey metal, with white and grey post girdles       3       3       0       Grey metal        0       5       0         Blue metal, with catheads        0       3       0       Grey and white post, with metal partings and water        1       3       0         Black metal        0       0       6       Grey metal        0       2       0														
Grey metal, with white and grey post girdles 3 3 0 Grey and white post, with metal partings heads 0 3 0 Grey metal 0 5 0 Grey and white post, with metal partings and water 1 3 0 Grey metal 0 2 0	with some small								_					
and grey post girdles 3 3 0  Blue metal, with catheads 0 3 0  Black metal 0 0 6  Black metal 0 0 0 6  Grey metal partings and water 1 3 0  Grey metal 0 2 0		0	2	4					_					
Blue metal, with catheads 0 3 0 Black metal 0 0 6  Black metal 0 2 0									0	5	0	ı		
Blue metal, with catheads 0 3 0 Black metal 0 0 6  Black metal 0 2 0		3	3	0										
Black metal 0 0 6 Grey metal 0 2 0	Blue metal, with cat-									_				
		0	3	0				and water	_	_				
Carried forward 4 2 10 29 0 8   Carried forward 8 5 8 41 0 0	Black metal	0	0	6				Grey metal	0	2	0	)		
Carried forward 4 2 10 29 0 8 Carried forward 8 5 8 41 0 C				_				~	_			-		
	Carried forward	4	2	10	29	0	8	Carried forward	8	5	8	41	. 0	0

# No. 1,801.—SHIREMOOR.—Continued.

					Ft.		Fs. Ft. In. Fs. Ft.	In
Brought forward	8	5	8	41	0	(	Brought forward 30 2 0 41 0	(
Black metal, with some	_	^					Soft white post 0 1 0	
small scares of coal		0	4				Strong white post	
Grey metal stone		3	0				girdles 0 2 2	
White post	3	4	6				White post girdles,	
White post girdles and	_						with black scames 0 1 10	
water	1	4	0		•		White and grey girdly	
Whin		0	6				post 0 5 0	
White post	0	2	0				High Main Seam—	
Strong white post,							Ft. In.	
mixed with whin	0	$^{2}$	0				COAL 3 7	
White post, with blue							Scare band or	
metal partings and							brass lump 0 ° 2	
water		4	0				COAL 2 10	
Whin	-	0	4				1 0 7	
Grey scamy post	0	4	0				33 0	
Blue metal, with cat-							Grey and blue metal 0 0 9	
heads	0	$^{2}$	0				Bottom Coal of High	
Black slaty metal	0	0	8				Main Seam—	
Jet, with some white							Ft. In.	
sparks in it	0	0	10				COAL 0 10	
Grey post	0	5	0				Blue metal,	
Blue and black metal		3	0				mixed with	
Grey metal	0	2	0				coal 0 2	
Grey and white post,							COAL 0 6	
with metal partings	1	0	0				Black metal,	
White post, mixed							mixed with	
with whin	0	2	0				coal 0 6	
White post	^		6				COAL, hard	
Whin			10				foul 0 3	
White post	6		0				0 2 3	
White post, mixed		_					0 3	
with whin	0	0	6				In blue metal 0 0	
Blue scamy parting	ŏ		4					
0 110 1							Total 74 4	
Carried forward	30	2	0	41	0	(	10001	=

### No. 1,802.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Strata bored through on Shiremoor, near Green's Gate. 1755.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Brought forward Blue and black stony Soil and clay ... 3 0 0 1 Sandy clay, with water 1 0 clay Blue and black stony 1 0 A hard stone, supposed clay Sand, with water 3 0 to be a tumbler ... 0 8 Carried forward Carried forward 0 6 1 8

# No. 1,802.—SHIREMOOR.—CONTINUED.

Brought forward		Ft.	In. 8	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 22 3 8 24 3
731 1	2	5	0				Brought forward 22 3 8 24 3 Black metal, with coal 0 0 6
Whin tumbler		0					COAL 0 0 7
Blue and black stony	U	0	-				
clay	3	0	0				Grey metal, with post
Sandy clay	ő	3	ŏ				girdles 1 3 0
Blue and black stony	Ü	•	٠				Blue and black metal 2 2 0
clay	4	4	0				COAL, mixed with
Soft rambly post, with	_	-	•				metal 0 1 0
water ·	1	4	0				4 0
Blue metal, with gir-							Grey metal stone 1 0 0
dles	1	2	0				White post 6 3 0
Black metal, with coal		0	7				Grey metal, with gir-
Soft grey and blue							dles 0 3 0
metal	1	3	0				Blue and black metal 0 1 0
Blue metal	0	4	0				High Main Seam-
Blue metal, scared							Ft. In.
with coal	0	0	9				COAL 0 7
COAL, with water	0	1	3				COAL, foul 0 2
			_	22	5	7	COAL 5 10
Soft metal, with gir-							1 0 7
	1		0				9 1
COAL, foul	0	0	5				Blue metal, mixed
			_	1	3	5	with coal 0 0 4
Grey metal	1	3	0				Bottom Coal of High
Grey post, with part-							Main Seam—
ings and set away	_	_	_				* Ft. In.
the water	3	0	0				COAL, hard 0 8
Blue metal with gir-		_	_				COAL, foul 0 10
dles	5	0	0				Blue metal,
Grey post, with water	1						mixed with
Whin	0	1	8				coal 0 5
White post, with part-		^	_				COAL, foul 0 9
ings and water	4		0				0 2 8
Strong white post			0				0 3
White post			0				In grey metal 0 0
Blue and grey metal	1	0	0				
Carried forward	22	3	8	24	3	0	Total 61 1
							111 01 1

# No. 1,803.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Shiremoor, near Brown's Mill. 1756.

Soil and clay 3 1 6 Ramble and post 1 3 0 Blue and grey metal 0 2 6	Brought forward 5 1 0 Brown post, with water 2 3 0 COAL, foul 0 0 7	Fs. 7	Ft.	In. 7
Carried forward 5 1 0	Carried forward	7	4	7

# No. 1,803.—SHIREMOOR.—CONTINUED.

Brought forward				Fs. 7	Ft. 4	In. 7	Fs. Ft. In. Fs. Ft. In. Brought forward 12 2 0 10 1 1
Grey and blue metal	1	4	6				High Main Seam—
A grey post girdle or	_	_					COAL 3 6
lump	Û	0	6				COAL, hard
Grey and black metal						•	foul brassy 0 3
COAL, foul	0	0	6				COAL 2 4
				2	<b>2</b>	6	COAL, soft
							danty 0 1
Blue and black metal	3	0	0				COAL 0 5
Grey metal and metal							1 0 7
stone		0	0				13 2 7
White post	<b>2</b>	$\frac{2}{1}$	0				Grey metal 0 0 2
Whin	0	1	6				Bottom Coal of High
White post, with water	1	1	6				Main Seam—
Brown metal stone	0	<b>2</b>	6				Ft. In.
Grey and white post,							COAL 0 11
with water	<b>2</b>	3	0				COAL, foul
Black metal, mixed							brassy 0 11
with coal	0	0	6				COAL 0 6
Blue and black metal,							Black metal,
with some small							scared with
white girdles or							coal 0 3
lumps	0	3	0				— 0 2 <b>7</b>
•							0 2 9
							In blue metal 0 0 10
Carried forward	12	2	0	10	1	1	Total 24 1 3

# No. 1,804.—SHIREMOOR.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

, Long.

Shiremoor, about 400 yards North of the Engine. November 8th, 1756.

Sheet 89 of Ordnance Map. Lat.

Sunk to the scaffold.         Box         2       1       6         Brown post, with small scares of coal pipes and water         6       0       0         Grey metal        0       1       6         COAL—High Main Seam        1       0       3         Black grey metal        0       0       3         COAL—Bottom Coal of High Main Seam        0       2       2         In grey metal         0       0       5         Total <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Brown post, with small scares of coal pipes and water	Sunk to the scaffold.	Fs.	Ft.	In.	Fs.	Ft.	In.	
water          6 0 0         Grey metal         0 1 6          COAL—High Main Seam        1 0 3          Black grey metal         0 0 3          COAL—Bottom Coal of High Main Seam        0 2 2         9 5 8         In grey metal         0 0 5		<b>2</b>	1	6				
Grey metal          0       1       6         COAL—High Main Seam         1       0       3         Black grey metal         0       0       3         COAL—Bottom Coal of High Main Seam        0       2       2         In grey metal         0       0       5								
COAL—High Main Seam         1 0 3         Black grey metal         0 0 3         COAL—Bottom Coal of High Main Seam        0 2 2         In grey metal         9 5 8         0 0 5	water	6	0	0				
COAL—High Main Seam         1 0 3         Black grey metal         0 0 3         COAL—Bottom Coal of High Main Seam        0 2 2         In grey metal         9 5 8         0 0 5	Grev metal	0	1	6				
COAL—Bottom Coal of High Main Seam        0       2       2         In grey metal           9       5       8         0       0       5       5       0       0       5				-				
In grey metal 9 5 8 0 0 5		0	0	3				
In grey metal 0 0 5	COAL—Bottom Coal of High Main Seam	0	2	2				
				_	9	5	8	
Total	In grey metal				0	0	5	
Total 10 0 1	m							
	Total				10	0	1	

#### No. 1,805.—SHIREMOOR.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of the Boring near Shiremoor, about 600 yards to the South from the Fell Gate and 20 yards West from the Wagonway. 1765.

Approximate surface level feet above sea (Orduance datum).

												-
	Fs.	Ft.	In.	Fs. Ft	t. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay	2	3	0			Brought forward						
Gravel, with a mixture						Soft blue grey metal	3	0	0			
of clay and water	1	0	0			Blue and black metal	0	4	0			
Sand	0	1	3			Black metal, with a						
Sand Stony clay	18	1	9			mixture of coal	0	0	6			
Grey and blue metal	0	4	9							39	0	0
Brown gullety post	0	0	9			Grey metal	0	3	0			-
Grey post, with brown						Grey and red scamy		-	-			
scamy partings		0	0			metal stone	0	3	0			
Whin						Grey metal						
Grey and brown post,			-			Reddish brown post						
with scamy partings						In red and grey post						
and water		3	0			and the time group post				5	3	0
Grey metal stone, with		•	·							•	•	
girdles		3	0		1							
girdies										_		
Carried forward	35	1	6			Total				44	3	0
Carrica for ward	50		U			Total		• • •	_	TT	- 0	

# No. 1,806.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Boring at Shiremoor (supposed near Prospect Hill). October 6th, 1788.

	- 1		
Fs. Ft. In. Fs. Ft.		Ft.	In.
Sunk to the top of a	Brought forward 23 2 4		
coal about 1 yard	Grey metal 0 1 0		
thick 12 3 9	Grey metal stone, with		
Box and old borehole 8 4 3	post girdles and me-		
Grey and scamy post 0 5 0	tal parting 6 0 5		
Whin 0 1 2	COAL 0 0 8		
Scamy post 0 0 6	29	4	5
White post, mixed	Grey metal, with scares		
with whin 0 1 6	of coal 0 0 4		
Scamy post 0 3 4	Grey metal 0 0 8		
with whin 0 1 6 Scamy post 0 3 4 Black stone 0 0 10	COAL 0 0 4		
	0	1	4
Carried forward 23 2 4	Carried forward 29	5	9
Carried forward 23 2 4	Carried forward 29	Э	5

# No. 1,806.—SHIREMOOR.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 29		In. 9	Brought forward 3 2 5 44 3
Grey metal stone	1	2	0				Black stone, with
COAL, with water	0		2				scares of coal 0 1 0
<b>,</b>				1	4	2	Black stone 0 3 6
Blue metal	0	0	4				Ft. In.
Grey metal stone, with							COAL, foul 1 6
water	1	3	6				Grey metal 1 6
Raised box		3	0				COAL, soft 0 4
Whin	ŏ	1					COAL, splint 0 4
Grey metal stone, with	•	-	·				COAL 0 8
post girdles and							0 4 4
water	3	1	0				4 5
Dark grey metal	0		4				0 0 4
	v	o	-10				White post 3 5 0
Black and grey metal, with scares of coal	0	0	9				Strong white post,
	1						mixed with whin 0 5 0
Grey metal	1	1	Ð				
Grey metal stone, with							1
post girdles and		0	0				
water	3		0				Grey metal stone, with
Soft white metal	0	0	6				girdles and water 1 1 0
Dark grey metal, with	_	_	_				Grey metal 0 1 0
girdles	1		3				COAL or black Ft. In.
Black slaty metal	0	0	6				stone 0 4
Ft. In.							COAL, not
COAL 2 6							good 0 9
Black metal 0 4							COAL 2 0
COAL 2 0							0 3 1
	0	4	10				<del></del> 8 3 1
				12	5	5	Soft grey metal 0 1 8
Grey metal, with post							Left off boring in grey
girdles and water	1	5	5				post 0 0 7
White post		4					0 2
Grey metal	0	5	0				
	_		_				
Carried forward	3	2	5	44	3	4	Total 58 2
	٠	_	_		-	-	. 2002

# No. 1,807.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of a Boring in the Polly Pit, Shiremoor, from the Thill of the High Main Coal. July 22nd, 1794.

Box Grey metal stone Whin girdle	$\frac{5}{2}$	0	0	Fs. Ft. In.	Brought forward Blue stone White post	7	$\frac{1}{3}$	1	Fs.	Ft.	In.
Carried forward	7	1	1		Carried forward	8	4	5			

# No. 1,807.—SHIREMOOR.—CONTINUED.

	Fs. F	t. In.	Fs.	Ft.	In.	1	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4 5			٠	Brought forward				34	4	$7\frac{1}{2}$
Grey post, with metal						Blue stone	0	3	0			
partings and water		2 0				Grey post	3	1	4			
White post		2 2				Post girdles, with						
Grey stone	0	2 0				partings	0	3	10			
COAL — Metal or						Strong post girdles	1	2	0			
Stone Coal Seam	0	2 8	$\frac{1}{2}$			Grey stone	0	3	3			
			12	1	21	Blue stone	0	3	1			
			14	_	32	COAL	0	4	1			
Thill	0	1 0								-		
Grey metal stone		$\tilde{0}$ $\tilde{6}$					_			7	2	7
Whin girdle		ŏ 1ŏ				Blue stone	0	3	0			
Dark blue metal stone	-	2 10				Post girdles, with me-	U	o	U			
Grey post, with water		$\stackrel{2}{1}$					0	5	0			
A A A A		$\begin{array}{ccc} 1 & 0 \\ 0 & 9 \end{array}$				tal partings	_					
COAL	U	U S				White post	0	2	0			
			6	0	11	Blue stone	0	5	1			
						Grey post	0	3	2			
White post, with me-						Strong post, with me-	_		_			
tal partings	1	5 O				tal partings	1	4	9			
Blue metal	0	1 0				Whin girdle	0	0	9			
COAL, stony	0	3 1				Strong white post,						
, ,					-	mixed with whin	0	4	0			
			2	3	1	Strong whinny post	1	1	0			
Blue stone	0	2 0				Whin girdle		ī	2			
	_					White post	4					
White post	-	2 8				COAL	ō	ŏ	_			
Blue stone		0 0					U	U	U			
Grey stone		5 0								11	0	5
White post		2 0				Grey stone	0	4	8			
Whin	0	2 0				Whin girdle	_	Õ	_			
White post	0	3 0				1 0 1	1	2	8			
Post girdles, with me-		•										
tal partings	1	3 8				Strong post	0	1	7			
Grey stone		$oldsymbol{4}$				Grey stone, with hard	_	_	_			
Post girdles, with me-	·					lumps	0	5	7			
tal partings	1 :	2 6				Blue stone, with whin						
Grey stone, with hard		4 0				girdles	1	0	0			
	1 .	2 0				Whinny post	0	<b>2</b>	5			
lumps	1	4 0				Grey stone	0	3	0			
Ft. In.						COAL	0	2	6			
COAL, with a										5	4	10
middle band 2 0										Э	4	TO
Blue metal stone 2 6						Grey metal stone	0	4	0			
COAL 3 0						Whin post	0	2	0			
0 0	-					Grey post	0	3	0			
	1	1 6				Whin girdle	0	1	0			
			10	0	6	Grey post	Ō	1	6			
			10	·	U	Blue stone	ŏ	ĩ	3			
Fhill	0 (	0 8				COAL	ŏ	î	8			
White post		$\tilde{1}$ $\tilde{6}$				OOAL	U	•	G			
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$							_	2	<b>2</b>	5
210 014						Grey stone	0	1	9			
						COAL	0	1	0			
White post	0 :	1 6								0	2	9
White post, with metal						Corrections	0	0	^	-		
partings	-	3 4				Grey stone	10	3	0			
Whin		2 2				In hard post	12	0	0			
White post		2 0							_	12	3	0
OAL	0 (	0 6									•	•
			0	4	10							
			3	4	10							
						Total depth below t	he					
Carried f	orwa	rd	34	4	71	High Main Coa		•••		74	<b>2</b> .	73
						1			=			
									J	R.		

# No. 1,808.—SHIREMOOR.

#### TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 26", Long. 1° 30' 10".

Account of Strata bored through in No. 1 Hole on Shiremoor, 700 yards West from Earsdon, in the Lane close to Bertram Place. Finished September 3rd, 1818.

and and soil		Ft.	In. 6	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft Brought forward 2 5 5 23 2	. In.
rown clay		_	ő				Blue stone 0 3 0	. 0
Slue gravelly clay		4					Black stone 1 5 2	
and, with small coal		-30	0				COAL 0 0 5	
and water	_	5	0				30AL 0 0 0	
Slue gravelly clay	_		6				5 2	0
rey scamy post gir-		•	·					
dles	1	4	0				Grey thill 0 3 0	
Black stone, mixed	_	-	·				Grey post 0 2 0	
with coal	_	1	2				White post, with whin	
rev thill	_		õ				clyers 9 1 4	
rey metal stone, with	-	Ü	U				Grey metal stone, with	
post girdles	2	3	Λ				girdles 0 3 6	
Dark grey metal	ō		ő				•	
Black stone, mixed	i	_	U				High Main Coal	
with coal at bottom		1	0				High Main Coal	
with coat at bottom	. 0	T	U				Seam— Ft. In.	
	_			8	4	2	COAL 3 2	
				_	_	_	COAL, slaty 0 1	
rey thill	. 0	3	4				COAL 2 7	
Post girdles, with me	-						Swad 0 3	
tal parting	. 1	3	6				COAL, ground 0 5	
White neet with part	- ) -	4	0				Grey thill 0 9	
ings, whin clyers	, } =	- +				*	COAL, bot-	
and water	( ) 3	4	0				tom $2  ext{ } 1$	
rey metal	. ´ 0	1	4				<del></del> 1 3 4	
CO'AL	. 0	0	4				12	0 2
				14	4	6	Thill stone 0	1 0
Grey thill	. 0	0						
drey scamy post			0					
Dark grey metal, with								
scamy post girdle		2	0					
, ,			_					
Carried forward	9	=	_	23	2	8	Total 41	0 10

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,809.—SHIREMOOR.

#### TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in No. 2 Hole in West end of Fenwick's Moor, and 100 yards North of Earsdon Lane, on Shiremoor. Begun September 4th, 1818; finished December 2nd, 1818.

Approximate surface level feet above sea (Ordnance datum).

2.5				Fs.	Ft.	In.	D 11.0	Fs.	Ft.	In.	Fs.		
Soil	0	1	0				Brought forward				50	2	9
Brown gravelly clay	0						Light grey thill	0		0			
Blue gravelly clay	2	3	0				Grey metal	0	<b>2</b>	0			
Scamy grey metal							Grey scamy post	1	0	0			
stone, with post							Scamy grey post gir-						
girdles	3	3	0				dles, with partings	0	5	9			
Whin girdles, with							Grey metal	0	3	3			
metal	2	1	0				Scamy grey post gir-						
Grey scamy post, with							dle, with partings	2	2	3			
water	0	5	0				Grey metal stone, with						
Grey metal stone	1	0	6				girdles	2	1	4			
Ft. In.		-	_				COAL, mixed with		_	-			
COAL 0 8							black stone	0	0	3			
Grey metal 0 4							District Score	·	•	•	_		•
COAL 0 6									-:		7	4	10
0 0	0	1	6										
				11	2	0	Light grey thill stone	0	3				
Grey thill	0	3	0	11	_	U	Grey post	0	3	<b>2</b>			
COAL	0	0	4				Scamy grey metal					/	
COAL	U	U	4	0	3	4	stone, with girdles	3	4	9			
C 41-111	_			U	3	4	Dark grey metal, with						
Grey thill	0	2	0				girdles	0	5	0			
Grey metal girdles	4	1	8				Black stone, mixed	-	-				
Dark and light grey		_	_				with — at bottom	0	2	2			
metal at bottom	2		5				Grey stone thill	ŏ	3	$\bar{6}$			
COAL	0	2	7				Grey post	ő	5	ő			
				7	1	8	Grey metal stone, with	v	U	U			
Grey stone thill	0	3	0					1	0	4			
Light and dark grey							white post girdles	1	U				
metal, and metal							Grey metal stone, with	1	Λ	Ω			
stone, with girdles	13	4	9				white post girdles	1					
Black stone, with gir-							White post	3		4			
dles	0	5	-0				COAL, danty	0	U	10			
COAL, mixed with		_									13	3	7
black stone	0	0	8				7 64 66 : 41:11				0	4	6
				15	1	5	Left off in grey thill				Ų	**	O
Grev thill	0	4	6		_	•							
White post, with whin	·	-											
clyers, partings, and													
water	15	1	2										
COAL	0	0	8										
COAL	U	U	0		0	4							
			_	16	0	4							
Comis J.C.				=0		0	Total				72	3	8
Carried for	war	a		50	2	9	Total		•••	=	14	3	

## No. 1,810.—SHIREMOOR.

#### TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 18", Long. 1° 30' 50".

Account of Strata bored through in No. 3 Hole, on Shiremoor, against the South Hedge of Storey's House, 100 yards West from Moor Edge. Begun December 3rd, 1818; finished January 11th, 1819.

Approximate surface level 195 feet above sea (Orduance datum).

Soil	0	1	In. 0	Fs,	Ft.	In.	Fs. Ft. In. Fs. Ft. I Brought forward 18 4 0 12 2
Brown clay	1	0	0				Dark grey metal stone, 1 2 8
Blue gravelly clay	3		8				with girdles 0 3 4
Sand	0	1	4				COAL 002
Blue gravelly clay	0	1	8				20 4
Livery clay	0	3	0				20 4
Blue gravelly clay	1	<b>2</b>	4				Grey thill 0 0 6
Grey metal, with post							Grey post 0 3 6
girdles	0	5	6				7 1 1 1 1 0 0
Black stone	0	1	0				
Grey metal stone	2	2	9				
Post girdles, with me-							COAL 0 1 2
tal partings	1	3	0				3 5
Dark grey metal	ō	-	10				
COAL	ŏ	ĩ	3				Grey thill 1 0 0
OOAL	U	-					Dark grey metal stone 1 0 3
				12	<b>2</b>	4	Black stone, mixed
							with coal 0 1 0
Grey thill	0	2	0				Dark grey metal, with
Scamy post girdle,							dark scamy post
with metal partings	2	4	8				girdle 2 3 0
Grey metal stone	1	4	0				Dark grey metal, with
Dark grey metal, with							girdles 1 2 0
girdles	1	5	0				Post girdle, with
Dark blue stone	ō	3	ŏ				scamy partings 1 1 0
Light grey metal stone	ĭ	1	6				1171.1
Grey post and whin	_	-	Ü				
girdles, with metal							Scamy grey metal 0 1 0
	1	0	0				Ft. In.
partings	т	U	U				COAL 1 9
Grey metal stone, with	0	Λ	^				Grey metal 0 4½
girdles	2	0	0				COAL 0 3
Black stone	0		10				
Grey thill	0	<b>2</b>	6				$ 0 2 4\frac{1}{2}$
Dark grey metal, with		_					9 0 10
girdles	0	5	0				
Light grey metal, with							Grey thill 0 0 8
girdles	<b>2</b>	5	0				Grey metal, with metal
Grey post girdles, with							and post girdles 2 2 10
metal partings	2	3	0	•			Dark grey metal 0 1 6
Grey metal	0	3	0				Black stone, mixed
Black stone	0	0	6				with coal 0 0 11
							Grey thill 0 1 0
							Grey metal stone 0 1 0
							3 1 1
Carried forward	10	4	Λ	12	2	4	Total 49 2 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,811.—SHITTLEHEUGH.

#### TOWNSHIP OF OTTERBURN, NORTHUMBERLAND.

Sheet 51 of Ordnance Map. Lat.

, Long.

Bored in the North-west Corner of Shittleheugh Estate, near Otterburn, by Thomas Patterson.

Approximate surface level

feet above sea (Ordnance datum).

Grey metal        5       0       0       Brought forward 9 5 2         Yellow freestone Grey metal        0       3 2       2       COAL, soft danty       0 0 3         White freestone Grey metal        1 0 10       COAL, soft danty       0 0 5         White metal        1 2 0       White metal       0 0 5	Ft. In.
Yellow freestone        1       3       0         Grey metal        0       3       2         White freestone        1       0       10         Grey metal        1       2       0         White metal        0       0       5         White metal        0       0       5	
Grey metal        0       3       2         White freestone Grey metal       1       0       10         White metal       0       0       5         White metal       0       0       5	
White freestone 1 0 10 COAL, soft danty 0 0 5 White metal 0 0 5	
Grey metal 1 2 0 White metal 0 0 5	
2011	
COAL, drossy 0 0 8   COAL, soft danty 0 0 5	
White metal 0 1 610	2 8
Carried forward 9 5 2 Total 10	2 8

## No. 1,812.—SHORESWOOD.

TOWNSHIP OF SHORESWOOD, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. 55° 42′ 32″, Long. 2° 4′ 3″.

Account of Strata sunk through at Messrs. Carr & Co.'s Shoreswood Colliery, near Berwick, North Northumberland, in 1843.

Approximate surface level 265 feet above sea (Ordnance datum).

Ft.	In.	Fs.	173	L T	
Λ				t. III.	Fs. Ft. In. Fs. Ft. In
0	-				Brought forward 22 2 3
3	3				Main Coal or Bulman
					Seam— Ft. In.
4	0				COAL 0 8
1	6				Grey stone 0 8
					COAL 1 4
2	6				Chalk stone 0 1
-	•				Hard grey
					stone 1 10
					COAL, splint 1 4
					COAL, ground 0 8
					Chalk stone 0 1
					COAL, sooty 0 11
					1 1 7
					23 3 10
2	3				Carried forward 23 3 10
	4 1 2 2	4 0 1 6 2 6 2 3			

# No. 1,812.—SHORESWOOD.—CONTINUED.

	٠,٠			~			ONTINGED:
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	_		_	23	3	10	Brought forward 0 2 6 40 2 31
Blue metal	0	1	0				COAL—Three-Quar-
Hard tills	0	2	2				ter Coal 0 2 1
Soft tills	0	1	4				0 4 7
Ft. In.							Black metal 0 3 0
COAL 1 2							COAL 0 0 21
Limestone 1 3							0 3 24
COAL 0 11							, -2
	0	3	- 4				Light blue metal $0   0   4\frac{1}{2}$
				1	1	10	Dark brown limestone 0 1 4
Blue metal	0	3	11				Soft metal 0 0 8
COAL	ŏ	ŏ					COAL 005
OOAL				0	1.	10	$029\frac{1}{2}$
			_	U	T	10	Metal 0 1 0
Grey stone	0	1	2				Limestone 0 3 0
Blue metal	1		0				
Limestone	0	2					Cooper Eye Seam—
COAL	0	0	-				Ft. In.
			<del></del> ·	<b>2</b>	0	9	COAL 1 4
Blue metal	0	2	4				Midstone
Grey stone	ŏ	ō					(dark blue
Ft. In.	•	0	J				metal) 0 9
COAL 0 10							COAL $1$ $2\frac{1}{2}$
Grey stone 0 8							$$ 0 3 $3\frac{1}{2}$
COAL 1 4							1 1 31
1	0	2	10				Soft light blue metal 0 3 2
				0	5	10	Dark brown limestone 0 0 10
	_		_	U	U	10	Dark blue metal $\begin{cases} 0 & 0 & 10 \end{cases}$
Metal	0	5	8				Dark blue metal 0 0 8
Freestone	1	<b>2</b>	1				Hard flinty mottled
Dark blue metal	0	4	0				stone, sparry and
Soft white freestone	0	<b>2</b>	1	$\frac{1}{2}$			jointy 0 3 1
Dark grey stone	0	4	9				Dark blue metal 0 1 10
Dark blue metal	0	1	0				Soft light blue metal 0 0 8
COAL	0	0	5				Dark blue metal 0 4 3
	_			4	<b>2</b>	$0\frac{1}{2}$	Hard freestone band 0 0 4
Dark blue metal	0	1	10			-	Blue metal, with ½-inch
Limestone	ŏ		5				ironstone bands $0 2 1\frac{1}{2}$
Freestone	ŏ		11				Dark blue limestone 0 0 7
Hard grey stone, with	U						Soft dark blue metal 0 0 6
,0 0	1	1	2				COAL 0 0 2
Dark blue metal	2	0	ő				3 1 0
XX71 */ O /	õ	-	9				0.0111
	0		0				Soft blue metal 0 1 8
Hard white freestone							White freestone band 0 0 2
	1	2	2				Soft light blue metal 0 0 4
- · · ·	0		11				Hard flinty freestone 0 1 2
	U	T	TT				Soft blue metal, with
COAL 1 0							balls of ironstone 0 1 6
							COAL 0 0 2
Grey soft stone							0 5 0
or middle							Dark blue metal, with
stone 0 4							balls of ironstone 0 3 6
COAL 0 8	^	_	^				
	0	2	0				Soft light blue metal, with hard balls 0 5 4
				7	1	2	
Metal	0	0	=	•	_	_	1 2 10
	0	0	5				
Grey stone or macker	0	2	1				
Com 3 f	_	6	_	40		0.	m / )
Carried forward	U	Z	0	40	z	32	Total $\frac{48 \ 5 \ 0}{2}$

<sup>\*</sup> Approximate sea level (Ordnauce datum).

### No. 1,813.—SHORTRIDGE.

#### TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. , Long.

Borings at Shortridge, near Warkworth, by W. Wilson. First Hole at Shortridge House. 1864.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.   Fs. Ft.   Fs. In.   Fs. Ft. In	Brought forward Black metal 0 1 6 White metal 0 5 6 Freestone and metal 1 0 9 White freestone 1 3 0 Blue metal 0 5 4 Freestone 0 0 6 6
Coal 0 0 6 21 5 7  Carried forward 21 5 7	Total 27 1 10

### No. 1,814.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. , Long.

Second Hole, North-west of the House and about 20 yards from the Railway. Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil and clay... 0 0 6 0 4 6 Grey metal ... Limestone 0 1 Metal Freestone and metal.. 0 3 Blue metal ... 0 3 Carried forward 5 Total ...

Broug	ht for	ward		Ft. 0			Ft. 4	
				0	9			
Metal			0	1	4			
Freestone			0	1	5			
Blue metal	and	free-						
stone			1	5	8			
						7	3	9

# No. 1,815.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21′ 58", Long. 1° 37′ 37".

Third Hole, 320 yards North-west of the Second Hole, and at the North-west corner of Field.

Approximate surface level 160 feet above sea (Ordnance datum).

Soil and clay Clay and stone Light blue metal	 	 	 Fs. 1 1 3	0	Fs.	Ft.	In.	
night ofte metal	 		_	 _	6	2	0	
	Total	 			6	2	0	

### No. 1,816.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21' 2", Long. 1° 37' 46".

Fourth Hole, about 200 yards North-west of the Third.

Approximate surface level 170 feet above sea (Ordnance datum).

Sand [? decomposed sandstone] ... ... Fs. Ft. In. Fs. Ft. In. S. Tt. In. Fs. Ft. In. Fs. F

## No. 1,817.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21′ 3″, Long. 1° 37′ 52″.

Fifth Hole, about 150 yards North-west of the Fourth.

Approximate surface level 180 feet above sea (Ordnance datum).

Clay Freestone and sand Limestone	Fs. Ft. In. Fs. Ft. In. 2 2 0 0 3 0 0 3 3 0 2 9	Brought forward Freestone Metal White freestone	$\begin{array}{cccc} 3 & 5 \\ 0 & 0 \\ 0 & 1 \end{array}$	6 6
Carried forward	3 5 0	Carried forward	6 0	0

### No. 1,817.—SHORTRIDGE.—CONTINUED.

Brought forward Limestone	^ 1 1	Brought forward 27 5 9 White freestone, with )
Freestone		water about 16 gal- (2 0 3
Blue metal		lons per minute, 3 1 4
Grey freestone		running to surface
Limestone		Blue metal 0 2 2
Grey freestone		Dark freestone 0 4 1
Blue metal	4 2 0	Dark metal 0 3 2
Hard flinty freestone	2 0 0 1 5 7	Dark freestone 1 4 5
Metal and freestone	1 5 7	Dark metal 1 0 6
Grey freestone	1 4 0	Grey freestone 2 0 9
Metal	0 1 6	Beddy metal 1 2 0
Hard dark freestone	0 1 2	Grey freestone 1 0 2
Blue metal	2 2 6	Blue metal 0 3 9
Good blue limestone		
Metal and freestone	0 4 0	
Grey metal	0 2 7	
Grey freestone	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
Carried forward	27 5 9	Total 42 4 4

N.B.—These strata are in the Millstone Grit and the top part of the Carboniferous Limestone series.

\* Approximate sea level (Ordnance datum).

# No. 1,818.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of a Borehole near Shotton.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 12 0 0	Brought forward 69 0 81
Yellow and brown	Red metal 0 2 5
limestone 50 0 0	Mild black metal 0 1 0
Blue limestone 2 0 3	Blue metal 0 2 0
Sand, very strong near	Red post 1 1 7
the top 4 0 2	Strong red post, ap-
Mild blue metal 1 0 2	proximating to whin 0 0 5
Grey post girdle $0   0   1\frac{1}{2}$	$71 \ 2 \ 1\frac{1}{2}$
· · · · · · · · · · · · · · · · · · ·	Total 71 2 1\frac{1}{3}
Carried forward 69 0 $8\frac{1}{2}$	Total $\frac{71 \ 2 \ 1\frac{1}{2}}{}$
	8

# No. 1,819.—SHOTTON.

### TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 45′ 54″, Long. 1° 22′ 56″.

# Shotton Colliery, Section of the Engine Pit.

Approximate surface level 460 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
	ght forward				70	1	7
	brown post						
Yellow clay, with girdles		0	0	4			
gravel and water 0 4 0 Soft blue r		0	5	0			
	netal, scared						
Dry gravel 0 3 6 with bla	ck	0	4	0			
Strong blue clay 1 0 5 Soft red m		0	2	6			
Dry sand, with gravel 0 0 7 Strong bla	ck stone	0	0	6			
Strong blue clay, Soft blue n	netal	0	1	0			
mixed with stones 1 4 6 Red metal		1	0	6			
Dry sand 0 0 4 Mild red ar	nd grey post						
Brown clay 1 2 0 (2 wedging	ng cribs laid						
Dry gravel 0 2 4 in this	post for a						
	nt founda-						
Limestone ramble 1 3 3 tion)		0	4	6			
	whin girdle,	•	æ	0			
stone 13 0 0 3 feet th	ick on east						
Strong yellow lime- side of	pit, and 6						
strong yellow lille-	ick on west						
10		^	1	Δ			
The same that th	•••	0	T	9	4		-
		1	_		4	2	1
Strong light brown Mild grey nost of Grey post of		1	2	0			
minestone iii iii zz o		0	2	6			
Very strong grey lime-		0	1				*
stone, with white	(	0	1	2			*
partings and water, Grey post a		0	1	0			
50 galls, per minute 9 0 0 Blue metal		0	<b>2</b>	6			
Mild yellow limestone COAL		0	2	8			
and water feeder,	-				3	1	8
30 galls. per minute 5 3 7 Thill stone		0	0	9			
Strong brown lime-	and grey						
stone, with several metal		0	4	10			
gullets and water, Grey post		0	3	0			
45 galls, per minute 2 1 4 Strong con		-	_				
Strong brown lime-		1	3	5			
stone 0 1 4 Red and bl		ĩ	ŏ	6			
Strong yellow lime-		-	Ť	·			
		2	2	6			
brown 0 3 3 COAL		ō	ĩ	2			
Strong blue limestone,			_		6	4,	2
in thin panels 0 2 4 Soft thill		0	0	4	U	æ	_
52 4 1 Grey post			4				
The die post			2				
Strong gre			0				
Strong gre	y post						
f - 1 - 0 f c - 11 -			1				
per minute 1 2 0		0	1	0		,	^
——————————————————————————————————————	_			_	3	4	U
							_
Carried forward 70 1 7	G				88	1	-
	Carried forw	23.77				1	6

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,819.—SHOTTON.—CONTINUED.

Dunaht fannand	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. I
Brought forward Soft thill, with scares		Brought forward 5 2 9 121 2 5
of coal	0 0 8	Five-Quarter Seam—
Grey metal, with thin		COAL, splint 0 3
post girdles	0 4 0	COAL, coarse $0$ $3\frac{1}{2}$
Blue and red metal	1 2 4	COAL, tender 3 4
Mild grey post	0 3 0	$ 0 3 10\frac{1}{3}$
Strong white post	7 5 8	6 0 7
Very strong mixture		94 41.211 4
post, like granite Strong flinty white	0 2 0	Strong thill stone $0   2   5\frac{1}{2}$ Dark metal $0   0   9\frac{1}{2}$
post, with a red		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
parting at top	0 4 01	Dark metal and coal
Black stone, with coal		bands 0 1 8
	11 1 71	Ft. In.
0	-	COAL, coarse 0 3
Grey metal, with post		Grey metal band 1 6
girdles, a rise trouble to the west of 2 feet		COAL 1 7
Grey post	0 0 0	0 3 4
Blue metal	3 2 7	1 8
Strong grey metal	1 4 11	Thill 0 1 8
Mild grey metal		Grey metal 0 2 1
Strong grey metal and	4 0 5	Grey post 0 3 0
metal girdles		Grey metal 1 1 4
Black stone COAL, splint	$\begin{array}{cccc} 0 & 0 & 3 \\ 0 & 1 & 0\frac{1}{3} \end{array}$	Strong dark grey post 2 1 4 Grey metal 0 1 4
oone, spinte	2	Grey metal 0 1 4   Strong white post 2 5 4
		Black metal partings 0 0 3
Strong thill and metal	$0 \ 3 \ 6\frac{1}{2}$	Strong white post 4 4 1
Strong grey metal		Main Coal Seam—
Strong grey metal and		Ft. In.
post girdles		COAL, coarse 2 9
Blue metal	$\begin{array}{ccc} 1 & 5 & 8 \\ 0 & 0 & 3 \end{array}$	Splint 0 9 COAL, rather
Black stone, with coal		coarse $0 \ 10\frac{1}{2}$
much stone, with cour	0 0 12	— 0 4 4 <del>1</del>
Three-Quarter Seam-	-	13 0 9
Ft. In.		Thill 0 0 10
COAL, coarse 0 3		Grey post 1 1 0
COAL, good 1 8		Grey metal 0 4 6
Band 0 4.		Blue metal 0 1 5
Band 0 1		Black stone 0 1 5 COAL, foul 0 0 6
COAL, rather	Z	COAL, foul 0 0 6
coarse 0 3		
Band 0 2		Thill 0 0 9
COAL 0 3		Grey metal 4 3 6 White post girdles 0 0 9
	$0 \ 4 \ 1\frac{1}{2}$	White post girdles 0 0 9 Blue metal 0 2 6
	$$ 7 2 $0\frac{1}{2}$	Grey post 0 1 9
Soft matal 11	-	Strong white post 1 4 1
Soft metal, with iron balls		Grey post, with metal
Blue metal, with iron		partings 1 2 1
girdles	0 ( 01	Whitish blue post 1 2 5 Mild grey post 4 1 3
Mild grey post	0 0 0	
Grey metal, soft at		Strong white post 4 4 8  COAL — Low Main
bottom		Seam 0 2 9
Black stone	0 0 $1\frac{1}{2}$	19 2
Carried forward	$\frac{}{5}$ $\frac{}{2}$ $\frac{}{9}$ $\frac{121}{2}$ $\frac{3}{2}$	Carried forward 164 1
Juliou Ioi Walu	0 4 0 141 4 02	The state of the s

# No. 1,819.—SHOTTON.—CONTINUED.

Brought forward	_			Fs. F 164	t. 1	$rac{ ext{In.}}{4rac{1}{2}}$	Brought forward 1 4 $4\frac{1}{2}$ 172 5 6 Very strong brown
Dark thill Frey metal, with post				•			post 0 1 3 Strong white post,
girdles COAL—Brass Thill	5	2	8				with beds of metal 2 4 6
Seam	0	1	2	5 4	1.	21	Grey post, mixed with metal and strong
Frey metal	0	2	4			- 2	girdles at bottom 1 2 8
Oark metal		0					Hutton Seam- Ft. In.
rey post	0	$\frac{2}{2}$	10				COAL, good 1 6
Dark grey metal			0				Band 0 2 COAL 2 5
White post girdle		1	0				COAL 2 5
rey metal, with post girdles, very dark at							Swad 0 1
bottom	1	2	9				tom $1 \ 3\frac{1}{2}$
COAL	0	0	6	2	5	11	0 5 5½ 7 0
Soft metal	0	0	4	1 2			Thill 0 1 4
Strong white post gir-				-			Black stone parting 0 0 2
dle, with beds of							Strong grey thill 0 1 2
grey metal		4	0				0 2
Carried forward	1	4	44	172		5 6	Total 180 2

## No. 1,820.—SHOTTON.

#### TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat.  $54^{\circ}$  45' 53'', Long.  $1^{\circ}$  22' 56''.

Account of Strata sunk through in the North Pit, Shotton Colliery. Commenced November 18th, 1840.

# Approximate surface level 460 feet above sea (Ordnance datum).

Outset walling 2 0 2 Soil 0 1 0	Brought forward 35 2 0 12 0 5 Very strong grey lime-
Clay, mixed with sand, gravel, and stones 9 5 3	stone, with white partings and water 9 4 0
12 0 5 Light yellow lime-	Mild yellow limestone, with gullets 4 5 0
stone 11 0 0 Strong brown lime-	Strong brown lime- stone, irregular, with
stone 3 3 0 Light yellow lime-	more gullets 1 5 7 Strong blue limestone 0 2 4
stone 6 0 0 Strong brown lime-	Strong yellow lime- stone, mixed with
stone (first water at this parting) 2 0 0	blue alternately 0 3 0 Strong blue limestone,
Strong light brown limestone, with more	in thin panels, mixed 0 2 0
water 12 5 0	52 5 11
Carried forward $35$ 2 0 12 0 5	Carried forward 65 0 4

# No. 1,820.—SHOTTON.—CONTINUED.

D l.t. farmand	Fs.	Ft.	In.	Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	0	1	4	00	U	4	Brought forward 2 3 7 88 5 1 White post, with water 0 1 6
Blue and grey metal	U	1	**				White post, with water $\begin{array}{cccccccccccccccccccccccccccccccccccc$
Yellow sand, with	4	3	0				White post with whin,
water	- 32	U	0				and mixed with red
Strong yellow sand or	1	4	0				
post		-30		6	2	4	partings (lowest feeder in this post) 7 4 6
Dies and beauty post				U	-	-30	Black stone 0 0 3
Blue and brown post	0	2	6				
girdles	ŏ	3	3				D1 41 0 4 H
Soft blue metal	U	J	U				
Soft blue metal, scared with black	0	2	9				Dark metal, with iron-
	ő	2	9				4
Strong black stone		õ					Strong grey metal 1 4 11
	ŏ		9				Mild grey metal 1 1 7
2 2 4.1	ŏ	4	6				Strong grey metal,
Mild red and grey	v	-	•				with post girdles 3 0 2
post (two wedging							Black stone 0 0 3
cribs laid in this							COAL, splint 0 1 01
post for a permanent							$-\frac{1}{25}$ 0 61
foundation)	0	2	9				Strong thill and metal 0 3 0
Blue whin girdles	ō	1	4				Strong grey metal 0 3 0
Mild grey metal	1	3	7				Strong grey metal,
Mild grey post	Ō	0	8				with post girdles 2 2 8
girdles	Ó	1	10			*	Blue metal, mixed
Blue metal, scared	v	-					with black 1 3 8
with red	0	3	7				COAL 0 0 3
Mild grey post girdles	ŏ	ĭ	3				Black stone, with coal 0 2 9
Blue metal, soft at	·	-	•				Three-Quarter Seam—
bottom	0	3	3				Ft. In.
COAL	0	2	7				COAL, splint 0 3
				7	1	10	COAL, good 1 8
Thill	0	0	9				Metal band $0  ext{ } 4\frac{1}{2}$
Red and grey metal	1	2	0				COAL, good 1 0
rey post girdle	0	1	0				Metal band $0 \frac{11}{2}$
Coarse white post	2	0	0				COAL, coarse $0$ $3\frac{1}{2}$ Metal band $0$ $2$
Strong white and red							
post	3	1	0				
COAL	0	1.	2				$ 0 4 1\frac{1}{2} \\ 6 1 5\frac{1}{2}$
				6	5	11	Grey metal, with iron-
Thill	0	0	4				stone balls 0 4 8
strong grey thill	0	4	6				Blue metal, with iron-
rey metal	0	1	3				stone girdles 2 0 9
White post girdles and		_					Mild grey post 2 0 6
water	0	-	0				Mild grey metal, soft
rey metal	0		11				at bottom 1 2 10
White post girdles	0	O	10				Black stone $0 \ 0 \ 1\frac{1}{2}$
Blue metal, with gir-		- 0	^				Five-Quarter Seam—
dles	1		0				Ft. In.
COAL	0	U	10		^	0	COAL, splint 0 3
DL:11:41 C				3	0	8	COAL, coarse 0 33
Thill, with scares of	^		-				COAL, good 3 4
coal	0	0	7				$0310\frac{1}{2}$
rey metal, with girdles	0	-	^			ete	7 0 9
	0	5	0				Strong thill stone $0   2   5\frac{1}{2}$
Rad and blue motel							Dark metal $0 0 9\frac{1}{2}$
Red and blue metal,		3	0				Grey metal 0 1 3
with red and grey	Λ.		U				Dark metal and coal
with red and grey post	0						7 7
with red and grey	0	1	0				bands 0 1 8
with red and grey post		1	0	88	5		bands 0 1 8  Carried forward 1 0 2 127 110

## No. 1,820.—SHOTTON.—CONTINUED.

Brought forward	Fs. 1			Fs. 1 127			Fs. Ft. In. Fs. Ft. I Brought forward 164 5
COAL Ft. In.							Thill stone 0 0 6
			-				Strong grey metal 4 2 3
							Black stone 0 3 6
COAL 1 7	0	3	6				Dark metal, with
		U	_0	1	3	8	scares of coal 2 3 3
Thill stone	0	1	-8	-	U	0	COAL—Brass Thill
~	ŏ	2	1				Seam 008
	ŏ	3	ō				7 4
~ .	ĭ	1	4				Thill stone 0 0 4
	2	i	4				Grey post girdles, with
Grey post Grey metal	õ	i	4				beds of strong grey
Strong white post	2	5	4				metal 1 4 0
Black metal partings	0		3				COAL, strong and
Strong white post	3	2	2				coarse $0 \ 0 \ 2\frac{1}{4}$
COAL — Main Coal	U	_					Grey post, with very
0	0	2	3				strong post girdles
seam	U		J	11	2	9	and grey metal 3 4 0
Thill stone	0	0	3	11	~	U	Mild grey post, with
Strong green metal,	U	U	U				beds of metal 1 0 6
with thin post gir-							Black stone $0 0 4\frac{1}{2}$
dles	4	3	1				
Blue metal		ĭ	3				Hutton Seam—
Black stone		ī	5				Ft. In.
COAL, with stone	ŏ	ō	6				COAL, top 1 6
OCAL, With Stone			_	5	0	6	Stone 0 2
Thill stone	0	0	9	•	٠	0	COAL, good 2 5
Grey metal	5	2	6				Band $0   0\frac{1}{4}$
White post, with metal		_	U				COAL, bot-
partings	4	2	7				tom 1 3
Mild grey post	$\vec{6}$		ó				$054\frac{1}{4}$
Strong white post	3		ő				<del> 7 2</del>
COAL — Low Main	U	U	U				
Seam Main	0	3	0				
		_	_	19	2	10	
					_		
Carried for	war	d		164	5	7	Total <u>180</u> 0
C011130 101					,	•	

# No. 1,821.—SILKSWORTH.

#### TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. , Long.

# Account of Mr. Hopper's Draw Well at Silksworth.

Approximate surface level feet above sea (Ordnance datum).

		Fs. Ft.	In. Fs.	Ft. In.
		 1 0	0	
		 2 0	0	
		 1 3	0	
		 2 3	0	
		 14 0	0	
			21	0 0
Total	•••	 	21	0 0
		 	1 0 2 0 1 3 2 3 14 0	2 0 0 1 3 0 2 3 0 14 0 0 21

 ${\tt Note.}{\leftarrow}{\tt Got}$  the feeder at 20 fathoms. Not through the limestone, but supply pretty regular.

### No. 1,822.—SILKSWORTH.

#### TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52′ 48″, Long. 1° 24′ 50″.

An Account of Strata sunk through at Silksworth Colliery, No. 1 Shaft, near Sunderland. Commenced August 16th, 1869; finished Jan. 13th, 1873.

Approximate surface level 240 feet above sea (Ordnance datum).

													_
e-n	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.		
Soil	0	3	0				Sand, bluish coloured	U	4	U	04	3	6
Yellow clay	1	3	ő				and hard, with little						
White marl	5	2	ő					1	-	^			
Mild brown limestone	0	3	0				water	1	1	0	-		
White marl	U	9	U				Light blue metal	_	-		T	. 3	6
Mild, light coloured							Light blue metal		1	2			
limestone, walling							Red metal	2	3	0			
crib laid 3 fms. 2 ft.	_	_	_				Black metal		0				
9 in. into this	5	0	0				Red metal	2	0	3			
Strong brown lime-	_	_	_				Blue metal, wedging						
stone	5	0	0				crib laid 7 in. into	_	_	_			
Strong brown sandy							this	0	1	6			
limestone	2	0	0				COAL	0	0	6			
Strong light brown								_			5	1	3
limestone, with wa-							Black slaty stone	0	0	3			
ter, walling crib laid							Thill stone	0	4	0			
2 fms. 4 ft. 4 in. into							Post	0	4	6			
this	5	2	0				Blue metal	0	2	0			
Mild, light coloured							Black metal	0	0	3			
limestone, with wa-							Thill stone, with iron-						
ter	5	1	6				stone balls	1	0	9			
Very mild and light							COAL	0	0	4			
coloured limestone,											3	0	1
with water and							Grey metal	0	0	7			
partings	8	1	6				Post	0	0				
Light brown lime-)							Grey metal, 2 wedging	_	_				
stone, with dark	1	1	0				cribs laid in this for						
panels	0	2	0			*	foundation of tub-						
Light brown lime-							bing; 1st crib 11 in.						
stone, with gullets	3	0	2				into this; 2nd crib						
Strong brown lime-	•	·	~				1 ft. 3 in. into this:						
, , , ,,	0	٥	10				all the water is in-						
Strong broken lime-	U	U	10				bound here, viz. 350						
-4	1	2	0				galls. per minute	٥	1	8			
Light brown lime-		2	U				1 2	-		3			
							1 0 0 1	ō	ō	8			
stone, with partings,								ĭ	3	3			
wedging crib laid							Grey post	1	9	9			
1 fm. 1 ft. $2\frac{1}{2}$ in. into		-	^				Grey metal and dark	-	4	0			
this	2	1	0				grey post	1	4				
Dark brown limestone,							Dark grey post	0	3	6 6			
with blue panels,							Grey metal	0	2				
wedging crib laid							Blue metal	0	3	7			
1 fm. 4 ft. 4½ in. into	_	_	_				Black metal	0	4	4			
this	5	3	6		_	_	Blue metal	0	1	5			
D 1 11	-			<b>52</b>	3	6	Black metal	0	0	4			
Dark blue metal (fish							COAL	0	0	2	_		_
bed)	0	2	6								7	3	5
	_		_			_							_
Carried forward	0	2	6	<b>52</b>	3	6	Carried fo	orwa	ard		69	5	9

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,822.—SILKSWORTH.—Continued.

D 11.6	Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In.
Brought forward	_	_		69	Э	9	Brought forward 0 2 6 89 2 3
Black stone	0		2				Very dark grey metal,
Thill	0		10				mixed with iron-
COAL	0	0	$1\frac{1}{2}$				stone balls and coal
	_			0	3	$1\frac{1}{2}$	pipes 1 2 2
Thill	0	1	<b>2</b>			_	Grey metal 0 4 6
Dark grey post	1	0	7				COAL 0 0 1
Metal partings	0	0	<b>2</b>				Dark grey metal, with
Strong bastard post							coal pipes at bottom 0 0 7
girdle	0	1	0				COAL 0 0 5
Blue metal	Õ	$\tilde{2}$	ŏ				2 4 3
Strong ironstone gir-	·	-	·				
31	0	0	11				Thill stone 0 1 8
731 7 4	ő	0	8				Grey metal 1 5 0
FF13 433 4	-						Blue metal 0 3 2
Thill stone	0	1	3				Ironstone girdle 0 0 1
Grey metal and strong	_	_					Black stone 0 0 7
post girdle	0	2	8				COAL 0 0 3
Blue metal	0	0	9				2 4 9
Black stone	0	0	2				
COAL	0	0	8				Thill stone 0 0 5
				2	5	$2\frac{1}{2}$	Mild grey post, walling
			_	_		-2	crib laid at top of
Black stone	0	0	2				this, 6 in. by 14 in. 0 3 2
Thill stone	0	<b>2</b>	6				Strong grey metal 4 4 2
Dark blue post	0	3	6				Dark red post, with
Dark blue metal, with							60 gallons of water
ironstone girdles	0	2	6				per hour 0 3 10
Black stone	0	0	9				Light red post, with
Dark grey metal	Ō	1	6				whin balls 3 1 6
Dark grey post	ŏ	3	$\check{6}$				Soft grey metal 1 5 8
Dark grey metal, with	•	Ŭ	•				Black stone, with iron-
coal pipes and balls	2	0	3				4 1 11 0 1 4
	4	U	U				C
Dark grey post and	0	1	6				Black stone, with coal
girdle			8				
Grey metal	0	0					pipes and ironstone 0 1 8
Grey post	0	0	7				Grey metal 0 0 8
Blue metal	0	2	3				Post girdle, crib 6 in.
Grey post	0	0	8				by 14 in 0 0 7 Grev metal 1 2 9
Blue metal (leader of							
a trouble put in,							Blue metal and iron-
Dipper 5 feet)		4	8				stone 0 2 2
Black stone	0	<b>2</b>	4				Grey metal, with post
Blue metal	0	1	2				girdles 3 2 5
Black stone	0	1	3				Blue metal, with iron-
Thill and grey metal	<b>2</b>	0	8				stone 0 3 5
Dark grey post, with							COAL (Aug. 5th,
grey metal, third							1871) 0 3 5
crib laid at top of							18 2 5
this, 6 in. by 12 in.	5	2	0				m
Blue metal, lost trouble	•	-	•				Thill stone 0 2 5
1 1	1	0	6				Grey metal 0 1 9
COAL		_					Black stone, with coal 0 0 2
COAL	0	0	7	5	9	c	Thill stone 0 2 1
			<b>—</b> 1	U	3	6	Strong grey metal,
Soft thill stone	0	2	$2\frac{1}{3}$				crib 14 in. by 6 in. 5 0 9
COAL, splint	0	0	$5\frac{1}{3}$				Dark grey post 2 2 0
				0	2	8	Grey metal, mixed
D1 -1 - 4		•		_	_	9	with post 1 0 9
Black stone	0	0	8				Grey post, no partings 6 3 0
Thill stone	0	1 1	LO				
							Grey metal 0 1 3
				_	_	-	
Carried forward	0	2	6 89	)	2	3	Carried forward 16 2 2 113 1 8

# No. 1,822.—SILKSWORTH.—CONTINUED.

Brought forward		s. Ft. In. Fs. Ft. In. 2 2 113 1 8	Brought forward	Fs.	Ft. In. Fs. Ft. In.
Black stone, with \frac{1}{2} in.		2 2 110 1 0	Thill stone	ó	
	0	0 8			$egin{smallmatrix} 1 & 6 \\ 3 & 9 \end{smallmatrix}$
of coal				U	
Thil stone		0 8	Grey metal		1 6
Black stone, with coal	_		Strong whin	0	4 6
Grey metal and thill	0	3 9	Strong white stone,	_	
Black stone, with coal			with partings	1	2 4
(fire brick ring crib			Grey metal	0	14
laid)	0	0 11	COAL	0	0 11 <del>1</del>
laid) Thill stone	1	1 8			11 0 5
COAL (Sept. 29th,			Gray motal with next		
1871)	0	$5  1\frac{1}{2}$	Grey metal, with post		
10,1)		19 4 31	girdles	1	2 4
		10 1 02	Blue metal, with iron-		
Dark grey metal, with			stone girdles	0	<b>4</b> $6$
thill	0	1 5	Black stone, with iron-		
thill Black stone	0	0 11	stone	1	1 7
Dark grey metal post		4 9	Dark thill	0	3 4
Grey metal	1		Dark grey post	ĭ	4 3
Dark grey metal and	_		Dark grey metal and	_	_ 0
	1	5 6	post girdles	1	3 4
loamy post Grey metal	4		Blue metal	ō	1 7
	*35	0 0	COAL (Moneh 1041	U	2 6
Blue metal, crib 14 in.	C	1 0	COAL (March 16th,	^	4 0
by 6 in Black stone	6	1 8	1872)	0	4 2
Black stone Ironstone girdle	0				<del></del> 8 2 0
Ironstone girdle	0	0 2	Black stone and coal	0	0 6
Very dark metal, with			Thill stone	ŏ	3 4
ironstone balls	0	2 2	Grey metal		1 11
COAL (Nov. 10th,				0	1 11
1871)	0	1 6	Strong post, with		
	_	16 1 11	rough partings and	_	4 0
a			a little water	2	4 6
Grey metal	0		Strong filtering post		3 6
Strong grey post girdle	0	0 8	Post, with coal pipes	1	1 6
Grey metal	0	1 9	Black stone	0	1 1
Black stone and coal	0	1 0	COAL (May 7th,		
Thill	0	0 8	1872)	0	3 4
COAL	0		,		10 1 8
		1 2 2	D 1 41 211	_	
(III • 11)	^		Dark thill	0	1 9
Thill	0	2 0	Grey metal	0	3 0
Filtering post	6	5 0	Strong post girdle	0	1 2
Coal pipe	0	$0   0\frac{1}{2}$	Blue metal	0	0.10
Thill stone	0	4 0	COAL (May 11th,		
Grey metal	0	3 0	1872)	0	1 2
COAL	0	1 4	· ·		1 1 11
		8 3 41	Stuana anar matal	0	
Donly 41:11	^	- 1	Strong grey metal	0	2 4
Dark thill	0	0 8	Strong grey post, with	Χ_	
Post girdle and grey			partings	<b>2</b>	2 0
metal	1	1 0	Strong post, with a		
Black stone	0	1 4	little water, no part-		
Thill stone	0	3 2	.ings	7	1 0
Grey metal and thill	5	5 2	Coarse, strong grey		
COAL (January 9th,			post	1	2 0
1872)	0	0 5	post Dark grey metal	ō	3 10
		7 5 9	COAL (July 23rd,	_	
Strong thill and donly		1 5 5		0	0 4
Strong thill and dark	0	1 2	1872)	U	
grey post		1 5	D. J. 41.20	0	11 5 6
Grey metal	1		Dark thill	0	0 4
Black stone	2		Post girdle, with metal	_	
COAL	0	$0  0^{1}_{2}$	partings	1	2 0
Carried forward	7	$2  6\frac{1}{2}  167  1  2$	Carried forward	1	2 4 210 0 8
		•			
					T

# No. 1,822.—SILKSWORTH.—Continued.

Brought forward Blue metal, with iron-						In. 8	Brought forward  Brought forward  Black stone, mixed  Fs. Ft. In. Fs. Ft. In. 242 2 101
stone balls Black metal Strong thill stone	2 0 0	0	$\begin{smallmatrix} 4\\10\\8\end{smallmatrix}$				with coal 0 2 0 Thill stone 0 1 0
Whin girdle Grey metal, with post	0	0	9				0 3 7
girdles Strong grey metal	$\frac{2}{1}$	4 1	$\frac{9}{0}$				Thill stone 0 2 7 Grey metal and post girdles 0 1 8
COAL (August 22nd, 1872)	0	1	3	8	1	11	Dark grey metal, with iron balls 0 2 0
Strong grey metal	0	5	2	o		11	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Soft blue metal, with ironstone ball Mild grey post	2	1	$0 \\ 2$				Dark thill 0 0 8 Grey metal, with post 0 3 4
Strong bastard post Strong grey metal and	o	5	ō				Strong grey metal and post girdles 2 3 0
dark post Strong grey metal		$\frac{1}{3}$					Soft dark grey metal, with ironstone 2 3 5½ COAL (Nov. 28th,
Blue metal Black stone	0	$\frac{3}{0}$	$\frac{8}{3}$				1872) 0 1 8
COAL (Sept. Ft. In. 14th, 1872) 0 6 Black stone 0 1							Thill stone 0 2 9 Black stone and coal 0 0 4
COAL 2 0	0	2	7				Dark thill, with iron balls 0 4 0
Thill stone, mixed with		-		8	5	4	Post girdle and metal partings 1 2 4 Grey metal 0 2 7
Black stone	0 0	$\begin{matrix} 5 \\ 0 \\ 1 \end{matrix}$	$\frac{0\frac{1}{2}}{6}$				COAL 0 6
Black stone, mixed		_	_	1	0	$9\frac{1}{2}$	Soft stone band 0 3 COAL 0 1 Soft stone band 0 2
with coal Dark thill stone Strong grov metal	0	1	9 4				COAL 0 8 0 1 8
Strong grey metal, mixed with a little post	2	5	6				Thill stone 0 1 9
Black metal and iron- stone balls	0	2	1				Mild post, with metal partings 2 3 8
Grey metal, with iron- stone balls	1	4	6				COAL $0 \ 0 \ 10\frac{1}{2}$ $3 \ 0 \ 3\frac{1}{2}$
Dark metal Black stone and brass COAL (Oct. 30th,	$\frac{2}{0}$	3 2	<b>4</b> 0				Strong thill 0 3 8  Post girdle and metal partings 1 2 6
1872)	0	1	4	8	3	10	partings 1 2 6 Black stone 0 2 0 Strong grey metal,
Strong grey metal Strong grey metal,	2	1	6				mixed with post 1 4 10 Soft blue metal 1 1 2
with post girdles Blue metal	$_0^2$	$\begin{array}{c} 4 \\ 0 \end{array}$	5 9				Black stone 0 3 4 COAL 0 0 0 01 2
Black stone COAL (Nov. Ft. In.	0	0	5				Dark grey post, with
10th, 1872) 0 9 Stone band 0 3 COAL 0 3							metal partings 3 3 8 Strong white post 0 5 0 Dark grey leafy post 1 4 7
COAL 0 3	0	1	3	5	2	4	Dark grey leafy post 1 4 7 Dark grey metal 0 1 5
Carried forv	varo	1	24	12	21	$0\frac{1}{2}$	Carried forward 6 2 8 262 2 4

# No. 1,822.—SILKSWORTH.—CONTINUED.

Brought forward  Maudlin Seam—  Ft. In.  COAL, good 3 98 Splint band 0 2 COAL, good 1 98	6	Ft. 2	In. I 8 2	Fs. 262	2	In. 4½	Fs. Ft. In. Fs. Ft. In. Brought forward   5 3 6 274 3 2\frac{1}{2} \]   Black stone 0 0 7   7     Brass Thill Seam
Stone band Low Main Seam -	0	0	$1\frac{1}{2}$	•	2	9	COAL 1 2 0 3 1
COAL 0 8 Soft stone band 0 0 COAL 0 2 Soft stone band 0 7 COAL 1 9		3	31/2	0	3	5	Strong dark thill iron- stone 1 1 0 Very strong grey post 0 2 6 Dark grey metal, with ironstone 0 4 9 COAL (March 19th, 1873) 0 0 9
Thill stone and grey metal COAL Grey metal, with post girdle		0	$\frac{2}{8\frac{1}{2}}$ $\frac{10}{0}$	v	J	J	Dark thill grey metal 0 2 0 Strong dark grey metal 4 5 0 Black stone 0 2 6 Blue metal 0 3 3 COAL (April 4th,
Blue metal, with ironstone girdle COAL (Feb. 22nd,	0	0	10.				1873) — Hutton Seam 0 4 4 —————————————————————————————————
1873) Thill stone, with iron-		_		4	1	0	Thill stone, with iron- stone 0 3 0 Strong grey metal 0 5 0
Dark grey post, with metal partings	0 4	1					Grey metal, mixed with post 2 1 0 3 3 0 1 0 0 0
Soft dark grey metal, with ironstone Carried forward		4	1 -				Strata 1 0 0  Total 294 3 5½

# No. 1,823.—SIMONSIDE.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

### Boring Account at Simonside.

Approximate surface level feet above sea (Ordnance datum).

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 2 5 0  Strong limestone, with water 20 4 6 23 3 6
Carried forward 2 5 0	Carried forward 23. 3 6

### No. 1,823.—SIMONSIDE.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 23	Ft.	In. 6	Fs. Ft. In. Fs. Ft. In. Brought forward 39 2
Blue metal stone and				20	0	U	Dark grey metal,
girdles	1	5	0				scared with coal= 0 1 4
Blue metal	2	ĭ	9				Ft. In.
Red metal	ō	î	6				COAL, strong 3 0
Whin mixture	ŏ	ô	11				COAL, rather
Red metal	3	4	11				coarse 0 9
Black metal	ŏ	_	11				COAL, will
Grey metal	ŏ	-	11				not cinder 0 11
Red metal	ŏ		10				0 4 8
Grey metal stone, with	_	_					1 0
post girdles	1	4	4				Dark grey metal 1 0 4
Brown metal	0	0	9				Dark grey metal 1 0 4   White post 0 5 2   Grey metal stone 1 4 0
Grey post	0	3	1				Grey metal stone 1 4 0
Blue metal	0	2	3				Black metal 0 0 9
Red post	0	1	0				Grey metal 0 1 6
Grey post	0	2	9				Grey metal stone,
Blue metal	0	2	0				mixed with coal 0 0 8
Red metal	0	0	11				Grey metal stone 2 2 11
Grey metal stone	2	2	2				Grey whin 0 0 10
Ft. In.							Grey metal stone 2 2 11
COAL 0 3							COAL 0 1 8
COAL, rather							9 2
foul 1 8							Grey metal stone 1 2 6
	0	1	11				COAL, slaty 0 1 3
	_			15	4	11	1 3
Carried fo	rwa	ırd		39	2	5	Total 51 2 1

# No. 1,824.—SLEEKBURN.

#### TOWNSHIP OF EAST SLEEKBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat.

, Long.

Bored at East Sleekburn, near the South-east Corner of Mr. A. Mowbrey's Estate and adjoining the River Blyth, by Thos. Rawling. April 18th, 1798.

Approximate surface level feet a

feet above sea (Ordnance datum).

Soil Gravel, with water Grey metal, with hard	0	3	0	Fs.	Ft.	In.	Brought forward Grey post Grey metal stone	1 1 0	3 4 3	0			
girdles Black metal COAL, foul	0	0	6	9	1	3	Soft dark grey metal		-		3	4	10
Grey metal, with hard girdles Grey metal stone				ð	1	ð	with scares of coal Grey post, with metal partings Grey metal stone	1	0	0			
Carried forward	1	3	3	3	1	3	Carried forward	1	5	4	7	0	1

# No. 1,824.—SLEEKBURN.—CONTINUED.

Brought forward   1								
Whin	Brought forward							Brought forward 12 0 4 23 1 0
GOAL     1   4   4   5		^	-	2				
Black metal	Grev metal stone		3	0				
Grey metal stone, with whin or ironstone girdles		1	4	-				
Grey metal stone, with whin or ironstone girdles   3 0 0 0	COAL, foul	0	1	3				, , , , , , , , , , , , , , , , , , , ,
Grey metal stone, with whin or ironstone girdles	•			_	6	3	6	
whin or ironstone girdles 3 0 0 0 3 lack grey metal, mixed with coal 0 0 7 7 lark grey metal 0 1 3 3 lack metal, scared with coal 0 0 3 3 low with coal 0 0 3 3 low lack grey metal 0 3 2 low lack grey metal 0 5 6 low lack and grey metal 0 0 0 8 low lack grey metal 0 0 0 9 low lack grey metal, mixed with coal 0 0 0 9 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 1 0 0 low lack grey metal, mixed with coal 0 1 1 low lack grey metal, mixed with coal 0 2 1 low lack grey metal, mixed with coal 0 1 1 low lack grey metal 0 1 1 low lack grey metal 0 2 2 low lack grey metal 0 1 low lack grey met	Grev metal stone, with							12 1 11
Black grey metal, mixed with coal	whin or ironstone							Grey metal 0 0 3
Slack grey metal   0 0 0 7   0   0 0 0 0 0 0 0 0 0 0 0 0	girdles	3	0	0				Black metal, scared
Mixed with coal   0 0 7   0 1 3   1   0 1   3   1   0   0   1   3   1   0   0   1   1   0   0   0   0   0	Black grey metal,							
Ft. In.   O 9	mixed with coal	-		-				
White and grey post   1 0 0 0	Dark grey metal	0	1	3				
Strong metal   Strong called   Strong called	Ft. In.							1
stone, called band 0 3 COAL, with small bands and water 1 11 COAL, foul 0 5	COAL 0 9							
Black metal								1 1 1 1
Soft grey metal, with samal bands and water 1 11   11   11   11   12   13   15   15   16   16   16   16   16   16								
Small   bands and water   1   11   11   12   12   13   14   15   15   16   16   16   16   16   16	During 111							
Grey metal								
A								1 ~ 0
The second column   The								
Since   Sinc		^	9	4				
COAL		U	3	4				
Black metal, mixed with coal 0 0 0 8   Grey metal, mixed with coal 0 0 0 9   The coal 0 0 0 9   The coal 0 0 0 9   The coal metal, mixed with coal 1 0 0 0   Grey metal stone, with post girdles 0 1 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone, with coal pipes 1 0 0 0   Grey metal stone 0 1 1 0   Grey metal 0 9   Grey metal 0 9   Grey metal 0 9   Grey metal 0 9   Grey metal 0 1 0   Grey metal 0 0 2 1   Grey metal 0 0 2 1   Grey metal 0 0 0 6   Grey metal 0 0 2 1   Grey metal 0 0 0 6   Grey metal 0 0 2 1   Grey metal 0 0 2 0   Grey metal stone 8 4 0   Grey metal stone 8 4 0   Grey metal stone 8 4 0   Grey metal stone 3 0 0   Grey metal 1 1 8   Black stone, with scares of coal 0 1 10   Grey metal 0 1 10					3	5	2	COAL Yard Coal 0 2 6
Stack metal, mixed with coal 0 0 0 8   Grey metal 0 0 0 9   The coal 1 0 0 0   The coal pipes 1 0 0 0   The coal pipes 1 0 0 0   The coal 0 1 1 0 0   The coal 0 9   The coal 0 1 1 0   The coal 0 1 1 0   The coal 0 9   The coal 0 1 1 0   The coal 0 1 1 0   The coal 0 9   The coal 0 1 1 0   The coal 0 1 1   The coal 0   The co	Grev metal	0	5	6				14 4 10
Same of coal     0 0 8   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								Grev metal, with
Grey metal     0   0   9   0   0   0   0   0   0   0		0	0	8				
Sample   S		0	3	0				
Grey metal, with scares of coal 1 0 0 0 Soft black and grey metal, mixed with coal 0 1 1 COAL, foul 1 2 0 2 10 1 0 0 3 6 Soft black and grey metal 0 0 1 1 COAL, hard splinty 0 1 5 Grey metal 0 1 1 0 0 Grey metal stone 1 0 0 0 Grey metal stone 1 0 0 0 Grey metal stone 1 1 0 0 0 Grey metal 0 1 1 6 Grey metal 0 1 1 6 Grey metal stone 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0	0	9				
Soares of coal     1   0   0	•				1	3	11	
Soft black and grey metal, mixed with coal   .	Grev metal, with							Grey post, with coal
Grey metal stone, with		1	0	0				pipes 0 3 0
metal, mixed with   coal   mixed   m	Soft black and grey							
COAL								
COAL   Ft. In.   O 0   O   O   O   O   O   O   O   O		1	0	0				
brassy bands 1 8 Grey metal, with scares of coal 0 11 COAL, foul 1 2	Grey metal stone, with							
Grey metal, with scares of coal 0 11  COAL, foul 1 2  Black grey metal, mixed with coal 0 2 1  COAL, hard splinty 0 1 5  Grey metal 0 1 6  Grey metal 0 1 6  Grey metal 0 1 6  Grey metal stone 8 4 0  Grey metal stone, with post girdles 1 5 0  Grey post 0 0 0 4  Grey metal stone 0 0 0 6  Grey metal stone 0 0 0 6  Grey metal stone 0 0 1 6  Grey metal stone 0 1 1 8  Grey metal stone 1 1 8  Grey metal stone, with scares of coal 0 1 10  Grey metal stone 0 1 0  Grey metal stone 0 1 0  Grey metal stone 0 1 10  Grey metal 0 9  COAL 1 2   Black and grey metal 0 2 0  Grey metal, with with girdles or lumps 1 1 6  Strong girdly stone 0 2 0  Grey metal stone 3 3 0  Grey metal stone 3 0 0  Grey metal stone 3 0 0  Grey metal 0 1 10  Grey metal 0 1 10  Grey metal 0 1 10  Grey metal 0 1 2	coal pipes	1	0	0				
COAL, foul   1   2	Ft. In.							
COAL, foul 1 2	COAL 0 9							
COAL, foul   1   2								
Black and grey metal   0 2 0								11 4 10
COAL   3 2 10     Grey and white post, with water   1 3 0   Black grey metal, mixed with coal   0 2 1   COAL   hard splinty   0 1 5       0 3 6     Grey metal     1 0 0								Black and gray motal 0 2 0
Soft black and grey metal   0   1   5   6   6   6   6   6   6   6   6   6	- 10min 1 2	0	2	10				0.0
Black grey metal, mixed with coal 0 2 1   COAL, hard splinty 0 1 5   0 3 6   COAL 0 0 2 3   2 1 5		_			3	2	10	1 0 0
COAL, hard splinty   0   1   5   5   5   5   5   5   5   5   5	Black grey metal,							
Grey metal, with girdles or lumps 1 1 6	mixed with coal	0	2	1				0000
Grey metal and grey   dles or lumps 1 1 6	COAL, hard splinty	0	1	5				2 1 9
dles or lumps 1 1 6					0	3	6	Grey metal, with gir-
metal           0         1         6           Grey metal          1         0         0         Grey metal stone          3         3         0           Grey metal stone, with post girdles          1         5         0         Grey metal, with whin girdles          1         1         8           Grey post          0         1         0         Black stone, with scares of coal          0         1         1         0         1         0         0         1         1         0         1         0         0         0         1         0         0         1         0         0         0         1         0         <	Soft black and grev							
Grey metal         1       0       0         Grey metal stone        8       4       0       0       White post        3       3       0         Grey metal stone, with post girdles        1       5       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       1       1       1       8       0       0       0       1       1       8       0       0       0       0       1       1       1       8       0		0	1	6				
Grey metal stone, with post girdles         1 5 0         Grey netal, with whin girdles         1 1 8           Grey post         0 0 0 4         Black stone, with scares of coal         0 1 10           Grey metal stone         Grey metal stone         0 0 1 10         Grey metal	Grey metal	1	0	0				
post girdles	Grey metal stone	8	4	0				White post 3 0 0
Grey post        0       1       0       Black stone, with scares of coal        0       1       10         Grey metal stone        0       0       6       Grey metal        0       1       2	Grey metal stone, with		_	_				
Scares of coal								
Grey metal stone 0 0 6 Grey metal 0 1 2								1
	0 111		-					
Carried forward 12 0 4 23 1 0   Carried forward 9 5 2 64 2 4	Grey metal stone	U	U	0				Grey metal U 1 2
	Carried forward	12	0	4	23	1	. 0	Carried forward 9 5 2 64 2 4

# No. 1,824.—SLEEKBURN.—CONTINUED.

Brought forward Grey and white post	9	5					Brought forward SO 1 2 Grey metal stone, with
Grey metal stone, with							post girdles 1 5 0
post girdles COAL, with scares of	U	Э	U				Blue grey metal 0 4 4  Ft. In.
black metal Black metal, scared	0	0	6				COAL 1 10
with coal	0	1	2				danty 0 1
	_			11	2	10	COAL 2 8 0 4 7
Dark grey metal	0	5	6				3 1 11
Whin mixture Grey metal stone, with	0	2	0				Black metal, with
post girdles	2	5	2				scares of coal 0 1 6 In grey metal stone 0 1 6
Dun whin	0	0	10				
Black metal, with scares of coal	0	0	6		•		0 3 0
				4	2	0	
Carried for	war	d		80	1	2	Total 84 0 1

# No. 1,825.—SLEEKBURN.

### TOWNSHIP OF WEST SLEEKBURN, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

#### Bored at West Sleekburn in the Pit Field.

### Approximate surface level feet above sea (Ordnance datum).

							1						
Soil			In. 0	Fs.	Ft.	In.	Brought forward			In,			
							Brought forward	O	1	4	7	U	(
Brown clay							Black metal, with						
Leafy clay							scares of coal						
Stony clay	1	5	0				Grey scamy post	0	3	0			
Sand							Grey and blue metal						
	1						stone, with girdles	3	2	6			
Grey metal stone and							Grey post and metal						
post girdles, with							partings	1	4	6			
water	1	0	0				White post, thready		_	-			
COAL							partings, and water	3	2	9			
				ь.	0	0	Black stone						
	_		_	7	0	8	COAL, foul		î	0			
Black slaty metal and							,				10	~	
foul coal	0	0	6							_	16	5	4
Grey post, with metal							Grey metal	1	0	0			
partings and water	2	5	6				White and grey post						
Grey metal, with gir-	_	0	U										
	9	1	4				Whin			3			
dles	3	1	4				Grey post, with water	1	3	3			
													_
Carried forward	6	1	4	7	0	8	Carried forward	3	4	0	24	0	C

## No. 1,825.—SLEEKBURN.—CONTINUED.

Brought forward					Ft.	In. 0	Fs. Ft. In. Fs. Ft. In. Brought forward 14 3 6 24 0 0
Grey scamy post, with							Blue grey metal 0 2 0 Blue and black scamy
White post, mixed	Λ	1	9				metal 0 1 0
Grey scamy post Grey metal stone	ŏ	3	8				High Main Seam-
	1	0	2				Ft. In.
White post, mixed	_	_					COAL 1 0
White and grey	0	2	6				Black slate, mixed with
thready post, with		•	^				coal 0 2
partings and water Blue grey metal stone,	T	U	U				COAL 0 9 Black slate.
with post girdles	1	2	6				Black slate, mixed with
White and grey post,	-	,	0				coal, or foul
with water			6				coal with
Grey metal stone White post, mixed	U	9	·				slaty bands 1 5
with whin	0	1	0				
Blue grey metal stone,							0 5 2
with post girdles							15 5 8
and water	2	1	0				In grey metal 0 3 4
~		·	_			_	m / 1
Carried forward	14	3	6	24	0	0	Total 40 3 0

## No. 1,826.—SLEEKBURN.

TOWNSHIP OF WEST SLEEKBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 9' 24", Long. 1° 33' 35".

#### Strata sunk in the West Sleekburn Pit.

Approximate surface level 50 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft,	In.
Soil 0 1 0	Brought forward 23 5 0	
Clay 4 0 0	Light metal 0 1 6	
Clay, sand, and gravel 0 4 0	COAL 0 4 3	
Clay 3 0 0	24 4	9
	Fire clay 0 3 6	·
Clay, sand, and gravel $\begin{cases} 0 & 3 & 0 \\ 0 & 3 & 0 \end{cases}$	Grey post 4 0 0	
0 0 0	Soft metal, with iron-	
	stone 4 2 6	
Leafy clay, with loam	Grey post 2 1 4	
partings 0 1 0	~ • • • • • • • • • • • • • • • • • • •	
Sand and gravel 1 4 0		
Sand 1 0 0	COAL 0 1 2	
Loam 1 1 0	11 4	6
Sand and gravel 0 2 0	Soft metal 2 3 0	
Sand, gravel, loam,	Post girdle 0 1 6	
and clay 4 4 0		
Carried forward 23 5 0	Carried forward 2 4 6 36 3	3

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,826.—SLEEKBURN.—Continued.

Brought forward Soft metal Post girdle Blue metal	Fs. 1 2 0 0 2	$\frac{4}{1}$	in. Fs. 6 36 5 0			Brought forward Grey metal COAL	0	Ft. 4 3 0	In. 8 0 4	Fs. 73	Ft. 1	In 3
COAL	<u>ō</u>	0 1	-	0	3	Black stone Post, with metal part-	0	2	8	0	_	
Grey metal Post, with water Metal partings	0	2	8 6 3			White post Scamy post, or grey	3 0	1 4	5 .7			
Post, with metal partings		4	6			scared post COAL—Yard Seam	<b>2</b> 0	<b>2</b> 3	${0 \atop 0}$	7	,	
Grey post Black metal, with	0	4	1			Grey metal White post, with whin	1	0	6	•		ç
mussel bed on top			0 0 - 7	4	.0	and water	7	<b>4</b> <b>0</b>	8	8	5	9
Thill stone Fire clay, with iron- stone balls			5 0			Grey metal, with iron- stone girdles	1	3	0	3	U	3
High Main Seam— Ft. In.	1	•	J			Blue metal COAL	0	5 0	0 4	4	2	4
Band 0 6 COAL 1 8						Thill stone Grey metal COAL	0 0 0	3 5 1	0 3 9			
Band 0 8 Black stone, scared with						Grey metal Grey post, with metal	0	2	.0	1	4	C
coal          1         7           COAL          1         0	1	0	5			partings White post	0	5 2	3 6			
Grey metal	9	4	- 2 0	1	10	Metal partings White post Grey metal	0 0	0 1 2	9 0			
Grey Seam— Ft. In. COAL 1 4 Band 0 4						Black stone COAL	0	1 2	3 7	2	5	4
COAL 2 6	0	4	2 - 10	2	2	Fire clay Grey metal, with iron- stone balls	0	4	0			
Blue stone or metal Ft. In.	3	0 :	9	4	2	Blue whin Grey post	0	1 5	0			
COAL 2 1 Band 0 4 COAL 1 11						Grey metal Blue metal Black metal	0 1 0	3 3 3	5 0 0			
			4 - 3	5	1	COAL 2 0 Grey metal 2 4	,					
Thill stone Grey metal White post COAL	3	1 ( 3 8	) 3 8 9			COAL 1 2	0	5	6	6	1	1
Black stone Grey metal Strong post girdles	0 2	0 ( 2 ( 1 (	)	2	8	Fire clay Blue metal	1	0 1 4 1 1	10 2 0 6			
Grey metal Post	1 (	0 (	)				-	ō	4	2	1	10
Carried forward	2 4	4 8	73	1	3	Carried forw	ard		11	10	1	4

# No. 1,826.—SLEEKBURN.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.	Ti-
Brought forward	110 1 4	Fs. Ft. In. Fs. Ft. In. Brought forward 2 3 0 113 2 2
Strong grey metal,		
with post girdles	1 3 8	Low Main Seam-
Whin	0 0 10	Ft. In.
Grey post	0 1 0	COAL 3 8
Whin	0 0 10	Band $0 \ 1\frac{1}{2}$
Grey metal	0  3  2	COAL 1 6
	0 1 0	$ 0 5 3\frac{1}{2}$
	0 2 0	3 2 31
COAL	0 0 4	Thill stone 0 1 0
	3 0 10	Grey metal and strong
Grey metal, with post		post girdles 0 5 0
	2 0 0	100
	0 1 4	
Dark metal	0 1 8	
Carried forward	2 3 0 113 2 2	Total 117 4 51

# No. 1,827.—SLEETBURN.

#### TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

Sinking and Boring of Sleetburn or New Brancepeth Colliery, near to Ushaw College.

Approximate surface level feet above sea (Ordnance datum).

	Fa	Tr'+	In	Fs.	Tr+	Tn	Fs. Ft. In. Fs. Ft. In.
Soil	0	2	6	ro.	I 0.	111.	Brought forward 16 0 11 17 2 2
Gravel and sand	4	5	0				Ft. In.
Strong blue clay	_		0				COAL 1 9
5	_			12	3	6	COAL, full of
Grey post	9	4	0				thin stone
Q	2		4				bands 0 5
COAL	0		4				0 2 2
OOAL	U	U	4	4.	4	8	16 3 1
				-10	*#	o	Seggar clay 0 0 9
Seggar clay	0	3	6				Grey shale 0 1 11
Grey shale, with strong		_	_				Blue shale, with post
post girdles	1	2	2				girdles 1 0 8
Blue shale, with iron-	_	_					COAL and black
stone bands	3	1	0				stone 0 0 2
Blue shale	1	5	0				1 3 6
Seggar clay	0	2	0				Grey shale 0 2 6
Strong white post,	-	_					Brown whin, with
with water	3	3	4				white spar 0 1 0
Strong grey post, with	_	_	^				Strong shale, with
water	2	3	0				brown whin 1 1 4
Strong grey post, with	-						COAL 006
water	1	3	3				1 5 4
Grey shale, with dark	_	-	_				Seggar clay 0 3 0
post girdles	1	Ţ	5				Grey shale, with white
Black stone	U	0	3				post girdles 1 3 0
Commind formand	10	_		15	- 0	_	Carried forward 2 0 0 37 2 1
Carried forward	10	U	11	1.4	2	2	Carried forward 2 0 0 37 2 1

## No. 1,827.—SLEETBURN.—Continued.

ironstone balls 1 4 11 COAL 0 0 3 Dark shale 1 4 8  COAL—Rottom Busty Seam 0 3 1  3 3 3								
Blue shale post 0 2 6  COAL, with thin stone bands 0 2 0  Seggar clay 0 1 8  Strong grey post, with ironstone balls 1 4 11  COAL 0 0 3  Dark shale 1 4 8  Grey post 0 3 8  Strong shale 0 3 3  Grey shale, with white whin 0 3 3  Blue shale 0 2 0  Blue shale 0 3 0 3  Grey shale, with white whin 0 2 0 0  Blue shale 0 2 0 0  Grey shale 0 2 11  COAL 0 1 10  Seggar clay 0 1 10  White post 2 4 8  COAL Bottom Busty  Seam 0 3 1  Total sunk 50 2 2  Bored below the Busty  Seam to the Brock-well 17 0 6	Brought forward							
stone bands        0       2       0         Seggar clay         0       1       8         Strong grey post, with ironstone balls        1       4       11       4       11       2       4       8       8       COAL—Bottom Busty       Seam        0       3       1       4       8       COAL—Bottom Busty       Seam        0       3       1       4       3       7       8       8       6       6       1       4       3       7       8       8       8       8       8       8       8       8       8       8       9       8       8       9       8       9       8       9       8       9       8       9 <t< td=""><td>Blue shale post</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Blue shale post							
Seggar clay 0 1 8         Strong grey post, with ironstone balls 1 4 11         COAL 0 0 3         0 0 3       0 0 3         Dark shale 0 3 3 8       0 3 3         Grey post 0 3 3 3       0 3 3         Grey shale, with white whin 0 3 3 3       Blue shale 0 2 0         Blue shale 0 2 0		0	2	0				Seam 0 1 10
Strong grey post, with ironstone balls       1       4       11       4       11       COAL        2       0       0       3       1       4       11       8       COAL—Bottom Busty       Seam        0       3       1       1       4       8       COAL—Bottom Busty       Seam        0       3       1       3       3       4       1       1       4       8       COAL—Bottom Busty       Seam        0       3       1       3       3       4       1       1       2       4       8       8       8       2       4       8       8       8       8       8       8       8       8       8       9	Seggar clay	0	1	8	2	4	6	
COAL        0       3       Seam        0       3       1       4       8       8       Total sunk        50       2       2         Grey post        0       3       3       3       3       3       3       3       3       50       2       2         Strong shale         0       3 <td>Strong grey post, with</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>White post 2 4 8</td>	Strong grey post, with							White post 2 4 8
Dark shale 1 4 8       1 4 8         Grey post 0 3 8       Total sunk 50 2 %         Strong shale 0 3 3       Bored below the Busty Seam to the Brockwell 17 0 6         Whin 0 2 0       well 17 0 6								Seam 0 3 1
Grey post        0       3       8       Total sunk        50       2       6         Strong shale        0       3       3       3       Bored below the Busty       Seam to the Brock-well        17       0	Dark shale	1		8	_	0	10	3 3
Grey shale, with white whin $\dots$ 0 3 3 Blue shale $\dots$ 0 2 0 Bored below the Busty Seam to the Brockwell $\dots$ 17 0 0	Grey post	0	3	8				Total sunk 50 2
Blue shale 0 2 0 well 17 0 0		0	3	3				Bored below the Busty
	***	_						
Carried forward 3 4 10 42 1 5 Total <u>67 2 1</u>	Dide shale							wett 17 0
	Carried forward	3	4	10	42	1	5	Total <u>67 2</u>

# No. 1,828.—SOUTH HETTON.

### TOWNSHIP OF HASWELL, DURRAM.

Sheet 21 of Ordnance Map. Lat.  $54^{\circ}$  48' 2'', Long.  $1^{\circ}$  24' 25''.

An Account of Strata sunk through in the Engine Pit, South Hetton Colliery. Begun March 1st, 1831.

### Approximate surface level 420 feet above sea (Ordnance datum).

Soil	Fs.	Ft.		Fs. Ft. In.	Brought forward		Ft.	In.	Fs.	Ft.	In.
Brown gravelly clay,		_	Ŭ		Brown limestone						
mixed with sand					Blue limestone			6			
and water	1	1	0		Brown sandy lime-	U	U	U			
Blue gravelly clay,	-	-	·		stone	9	1	9			
mixed with sand					Brown limestone, with		-	4			
and water	9	1	0		metal clay partings	5	Λ	Λ			
Sand and water			0		metal clay partings	U	U		= 1	3	0
Blue gravelly clay			0		Blue metal stone	_	9	0	54	9	U
Limestone marl			0		Strong grey post	0	4				
Yellow limestone in a	10	J	U		Plus motel stone	0	3	0			
confused state, mixed					Blue metal stone	U	9	U			
with spar (got water					Sand, with water,						
29½ fathoms from					1,300 gallons per	-	^				
the surface, which					minute	Э	0	0	c		•
increased from 20					C	$\overline{}$	-	_	6	3	0
					Grey metal stone		3	Û			
to 300 gallons per	10	9	0		Grey post	0	3	0			
minute) Yellow limestone in	10	3	U		Grey and red metal		^	_			
			_		stone		-	0			
various beds	3	3	0		COAL-3/4 Seam	0	2	10		_	
						_			4	2	10
Carried forward	46	3	0		Comina Co		. ,		05	9	10
Carried forward	40	J	U		Carried fo	orwa	ird		65	Z	10

# No. 1,828.—SOUTH HETTON.—CONTINUED.

	<i>,</i> ,											
D 146 1		Ft.	In. Fs.			D 14 C 1				Fs.		
Brought forward	0	3	0 65	z	10	Brought forward	3	4	0	140	3 1	1 1/2
Thill stone	U	9	U			COAL, mixed with						
Grey metal stone, with						black stone—Maud- lin Seam—	0	0	9			
post girdles (laid a		0	C			lin Seam	0	2	3		_	_
wedging crib)	1	$\frac{3}{2}$	6			/Ph:11 -4	_	-		4	0	3
Grey and red post	2	-	8		*	Thill stone	2	3	9			
	5	5	11			Strong blue stone		2	0			
COAL, mixed with						Whin girdles	0	0	6			
black stone	0	1	2			Grey post		0	0			
			10	4	3	Black stone	0	1	6			
Grey thill stone	0	3	10			Grey metal	2	3	7			
Grey post, mixed with	·	U	10			Strong grey metal	4	5	0			
	13	3	0			Strong grey post	0	5	0			
	2	3	0			COAL	0	1	3			
Blue metal stone			-				_			14	4	7
COAL	0	0	$4\frac{1}{2}$	4	0.1	Black metal and iron-						
			16	4	$Z_{\frac{1}{2}}$	stone girdles	1	1	3			
Grey metal stone,						Low Main Seam -						
mixed with post	1	4	0			COAL 2 6						
Strong grey post,						Band 1 0						
mixed with whin						COAL 1 10						
and water	10	0	0				0	5	4			
Blue metal stone	2	3	0				_			2	0	7
The Owner of the States						Black metal stone	0	3	8	_	U	•
Five-Quarter Seam-						(1 )	0	5	6			
COAL, with Ft. In.							0	1	6			
foulness 2 0						Post girdles, with whin						
Band 0 4						Grey scamy post	1	4	0			
COAL 0 8		_				Grey metal stone	0	4	3			
-	0	3	0			Grey post	0	1	6			
			<b>—</b> 14	4	0	Soft grey metal	0	2	9			
Bottom stone thill	0	3	0			COAL, splinty	O	3	6		_	_
Grey metal stone, with	0	·								5	<b>2</b>	8
	2	1	0			Black metal	0	1	3			
post girdles	2	0	.0			Grey post, with metal						
Grey metal, with post	5	0	.0			partings	0	5	0			
Grey post, with whin	9	U	U			Blue stone	0	3	3			
Grey post, with metal	10	0				COAL	0	0	4			
	12	0	0							1	3	10
Grey post, with gullets	6	3	8			Grey metal	0	2	6			
Main Coal Seam-						Grey post, with metal						
Ft. In.						partings	1	2	6			
COAL, good 4 6						Blue metal	0	1	9			
COAL 2 0						COAL	0	1	0			
	1	0	6							2	1	9
	_		_ 29	2	2	Grey post, with hard				_	_	•
(III) *11	_			_	_	girdles	1	2	4			
Thill stone	0	3	0			733 7 1 7	î	õ	9			
Post girdles	0	4	0				^	3	8			
Grey metal	2	0	0			Grey post	1	3	8			
Black stone	0	1	2			Grey metal	0	2	0			
COAL	0	0	3			Black stone	U	Z	U			
			_ 3	2	5	Hutton Seam- Ft. In.						
			_ 0	2	U	COAL, good 4 7	į					
Grey metal stone	0	<b>2</b>	0			Band 0 43						
COAL	0	0	1			COAL, bot-						
			- 0	2	1	tom 1 4	5					
Post girdles	1	4	0				1	0	4	1		
Grey metal	2	0	0								0	$9\frac{1}{2}$
									-			_
Carried forward	3	4	0 140	3 1	11	Total			Ī	177	0	5
					- 2	1			=		_	_

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,829.—SOUTH HETTON.

#### TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through below the Hutton Seam at South Hetton Colliery. Commenced August 15th, 1865.

Approximate surface level feet above sea (Ordnance datum).

Depth to the Hutton Seam Freestone pillar at Hutton Seam, hang- ing-on Blue metal stone	Fs. 0 2	Ft.	In. Fs. 180		In. 0	Brought forward 213 0  Grey metal, mixed
Seam Freestone pillar at Hutton Seam, hang- ing-on			180	0	0	
Freestone pillar at Hutton Seam, hanging-on			100	U		
Hutton Seam, hang- ing-on						with brown post 1 3 8\frac{1}{3}
ing-on						
D1 '' ( 1 )		E	0			
one metal stone						D1 0 4 4
		0	3			Blue metal 0 4 4
Black stone	0		8			Grey post, rather
Black metal stone	0	1	10			strong 0 1 9
White stone, mixed						Black metal 0 5 4
with blue metal	0	5	0			Grey shivery post 2 0 0
Grey metal, with post						Very strong grey post,
girdles	1	<b>2</b>	5			mixed with whin 2 0 10
White post, mixed						Grey metal 0 0 4
with blue metal	2	1	6			Mild white post 0 2 4
Grev whin and blue						Black stone, mixed
metal, mixed with						with coal pipes 0 1 7
coal pipes	2	0	$2\frac{1}{3}$			Grey metal stone 0 1 1
Blue metal, mixed		•	-2			White post 0 0 4
with post	0	1	$0\frac{1}{2}$			Black slaty stone 0 3 0
Shivery post, mixed	·	-	02			Whin, mixed with
with coal pipes	0	3	8			white spar 0 0 6
Black metal, with iron-	·	U	O			
stone girdles	1	1	41			
	1	1	$4\frac{1}{2}$			
Blue metal, mixed	-		0			954
with iron girdles	1	0	3			Grey metal stone 0 1 8
Blue metal, mixed	-	-	•			Ironstone 0 0 2
with black slate	1	1	0			Blue metal 0 1 10
White post, mixed	~		_			Grey post, mixed with
with blue metal	2	0	3			blue metal 0 4 61
White post	7	4	0			Black stone, mixed
Blue metal, mixed						with coal 0 1 0
with black stone	0	1	5			Blue metal 0 1 8
COAL (supposed						Mild shivery post 2 1 6
Harvey Seam)	0	<b>2</b>	<b>2</b>			Strong white post,
			<b>— 2</b> 4	3	$0\frac{1}{2}$	with whin girdles 8 1 3
Blue stone, with clay	0	2	3		_	Black stone, mixed
Grey post, mixed with						with coal 0 1 81
metal girdles	5	3	$0\frac{1}{3}$			
Black stone, mixed			- 2			Shivery white post 0 2 11
with coal pipes	0	1	4			Blue metal, mixed with
Grey metal, mixed	•	-	•			iron girdles 2 1 10
with iron girdles	1	5	6			Brown post, mixed
Busty Seam— Ft. In.		U	U			with grey metal 1 3 0
COAL 0 111						Blue metal, mixed
Stone band $0 2$						with brown slaty
						post $2 \ 4 \ 10\frac{1}{2}$
$COAL \dots 2 3\frac{1}{2}$		9	=			COAL, like cannel 0 1 4
	0	3	5	0	0.1	19 5 8
			— 8	3	$6\frac{1}{2}$	
Comical		.3	010			0
Carried for	war	u	213	U	7	Carried forward 242 5 3

# No. 1,829.—SOUTH HETTON.—CONTINUED.

					<u> </u>						
Brought forward	Fs.	Ft.	In. Fs. F 242	t. In. 5 3	Brought forward	Fs.	Ft.	In. 23	Fs. 1		
rey shivery post, with					Strong grey post, with		_	-4			•
blue metal	0	2	7		metal partings	0	3	7			
drey post, with metal					Dark grey metal, with	•	_	•			
partings	1	0	2		post girdles	1	4	3			
rey post, mixed with	-	•	_		0041	ō	Ô	_			
ironstone and basalt	1	2	7		COAL, coarse				46	5	13
	2	õ	2	- 1	Light anary motel with	-			40	U	1.4
Blue metal	4	U	4		Light grey metal, with						
drey post, with blue	^	9	9		3-inch girdle at the	1	^	10			
metal	0	2	9		bottom	1		10			
rey post, with grey			10		Light grey post	0	4	3			
metal and basalt	1	4	10		Dark grey metal, with	_	_				
Blue metal, mixed		_			post girdles	0	3	10			
with grey post	0	2	6		Light grey post, with						
Very hard grey post	0	5	0		thin grey post gir-						
Very soft blue metal					dles	7	<b>2</b>	7			
(seggar clay)	1	3	5		Dark grey metal, with						
Hard grey metal	0	0	9		ironstone girdles	2	0	0			
Hard grey post	0	1	0		Black stone	ō		10			
Blue metal, mixed with	·	-	Ü		COAL, with black	·	U	10			
11		0	0			Λ	Λ	0			
post girdles	1	0			slaty partings	0	0	9	10	1	-
Hard grey post	0	1	0		TT 1 (1 1/1				12	1	1
Blue metal	1	0	6		Hard grey metal, with	_		_			
Black slaty stone	0	1	1		coal pipes	0	0	્5			
Grey metal	C	2	6		Hard grey post, with						
Hard grey post	0	0	9		metal partings	0	3	5			
Dark blue metal	3	1	4		Very hard bastard post	0	1	3			
Dark post, mixed with					Soft coarse white post,						
blue metal	2	0	4		with thin metal						
White post	1	1	7		partings and water	1	2	0			
Brown sandstone, with	-	-	•			-	~	·			
	1	2	6		Strong metal, with	1	=	11			
white post	1	2	О		post girdles	1	Э	11			
White post, mixed	_	-	0		Soft light metal, with						
with dark brown post		1	8		5-inch girdle on top,	_	_	_			
White post, mixed		_			very hard	1	1	3			
with blue metal	5	0	10		Black metal. with a						
Blue metal	0	5	2		hard 6-inch girdle						
Very strong ironstone	0	0	6		in middle	0	2	0			
Blue metal, mixed					Strong light grey						
with ironstone	0	4	6		metal	0	1	10			
Grev post, mixed with			_		Hard white post, with						
grey metal	2	1	1		metal partings,						
(X71. * 1	$\tilde{7}$	5	$\frac{1}{4^{\frac{1}{4}}}$								
		U	4		coarse at top and	2	3	2			
Blue metal, with post		4	0		bottom						
girdles	1	4	0		Dark grey metal	0	4	8			
Black stone, mixed		_			Strong dark grey	_	_				
with coal	0	1	0		metal	<b>2</b>	5	9			
Strong iron girdle,					Soft light metal, with						
very hard	0	0	8		post girdles	1	0	0			
Brown sandstone	1	3	10		Strong grey post, with						
Blue metal, with post					metal partings	1	1	5			
girdles		1	2		Very hard white post,						
Grey post, mixed with		-	_		with metal partings	0	5	9			
		Λ	e1			Ÿ	•	·			
whin, very hard		0			Dark grey metal, with	7	4	=			
Very hard stone	0	0			thin post partings	1	4	5			
Strong white post	0		10		Hard grey post, with	_					
Light grey metal	0	1	0		metal partings	1	0	4			
Dark grey metal, with					Dark grey metal, with						
post girdles	1	1	5		post girdles	3	0	10			
						_					
Carried forward	44	3	$2\frac{3}{4}$ 242	5 3	Carried forward	21	2	5	301	5	54

## No. 1,829.—SOUTH HETTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.  Brought forward 21 2 5 301 5 53  Grey whin or bastard	Brought forward 21 4 9 301 5 5 4 Hard white post, very
post, very hard 0 1 3 Dark grey metal 0 1 1	coarse 0 5 3
Carried forward 21 4 9 301 5 53	Total <u>324 3 5</u>

### No. 1,830.—SOUTH MEDOMSLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

An Account of a Boring in South Medomsley Royalty. October 7th, 1863.

Approximate surface level feet above sea (Ordnance datum).

Clay			Fs. 11			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Brought forward 23 0	
Grey metal			2						Dark metal 0 2 10	-
COAL	•••		^						Grey metal 2 1 6	
OOAL	•••	••				13	5	11	White post 4 2 9	
Grev metal			2	5	0	10	J	11		
		motol		J	v					
Grey post, w					^				COAL — Brockwell	
partings		•••	_	2					Seam 0 3 2	
Grey metal			0	U	6				7 4·	6
Busty Bank	e Se									
COAL		Ft. In 4 0							Into grey metal stone 0 4	2
	,									
Grey meta										
COAL	• • •	3 2								
			1	4	11	_				
			_		_	9	0	5	_	
(	Carr	ied for	war	d		23	0	4	Total 31 3	C
			_							

<sup>\*</sup> The band sets in about 22 inches from the top of this coal.

### No. 1,831.—SOUTH MEDOMSLEY.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.  $54^{\circ}$  52' 18'', Long.  $1^{\circ}$  46' 34''.

Strata sunk through in the Annie Pit, South Medomsley Colliery (13 feet diameter), 1864.

Approximate surface level 810 feet above sea (Orduance datum).

Outset Soil Marl			$\frac{3}{0}$	<b>3</b> 0	$\frac{0}{9}$	Brought forward Brown post Blue metal	5 1	0	6	Fs.	Ft.	In.
Carried	forwar	d	5	0	1	Carried forward	8	0	0			

# No. 1,831.—SOUTH MEDOMSLEY.—CONTINUED.

210. 1,00	,	~				11111	JOHNSHEIT. CONTINUED.
D 14.6 1		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward	8	0	0				Brought forward 59 0
Hard post, with whin		_					Seggar 0 2 0
and water	1	3	4				Post 1 4 0
Grey metal	1	3	8				Grey metal 1 4 0
Hard post, with whin							COAL 0 0 5
and water	1	3	2				3 4
Blue metal, with iron	_	Ŭ,	. –				Plus motel
	0	1	0				Dt
girdles	2	T	0				Post 3 3 0
Five-Quarter Seam-							Blue metal, with post
							partings 5 5 0
Ft. In.							Post, with metal part-
COAL, top,							ings 2 0 0
foul 0 9							COAL Wayner Common 1 10
COAL, good 3 5							COAL—Harvey Seam 0 1 10
Splint 2 1							12 3 10
COAL, coarse							Seggar 0 4 0
							Blue metal 3 2 0
foul 0 7	4	_	10				Post, with metal part-
	1	U	10				
				16	0	0	0041
Disa matal	0	9	5				COAL 0 1 10
Blue metal	U	3	Э				9 2 10
COAL, good -Brass							Seggar and metal 1 5 0
Thill Seam	0	5	3				COAL - Top Busty
				1	2	8	
Strong post thill	0	3	6	_	_	_	Seam 0 2 0
	U	o	U				Blue and grey metal 3 1 0
Grey metal and post	_	_	_				Lower Busty Seam—
girdles	2	3	0				
Hard post, mixed with							Ft. In.
whin	0	3	0				COAL, top 2 0
	•	0					Fire clay 1 8
Grey post, with much	-		^				COAL, bot-
water	1	4	0				
Grey metal and post							
girdles	7	3	0				1 0 10
Black metal	1	5	0				6 2 10
	$\hat{13}$	ő	ŏ				Seggar, with iron balls 1 0 0
		-					Grey metal, mixed
COAL—Hutton Seam	1	0	6				
				28	4	0	
Soft seggar clay	<b>2</b>	0	0				Hard post 3 3 0
COAL	0	1	10				Grey metal 1 0 0
			_	2	1	10	Three-QuarterSeam—
Socran	0	9	_	4	1	10	
Seggar	0	2	0	,			Ft. In
Blue metal	0	3	0				COAL, good 1 8
Grey metal (bed for							Stone band 0 8
tubbing)	4	0	0				COAL, good 0 8
		-	_				— 0 3 0
Main Coal Seam-							8 0 0
Ft. In.							8 0 0
COAL, top 3 2							Black metal 0 2 0
Band 0 3							701
							D 4
COAL, bot-							Post 0 4 0
tom 1 2							Grey metal 3 0 0
	0	4	7				Supposed Brockwell
				5	3	7	
0 7 0				U	9	•	
Sunk further in 1869							COAL, good 2 0
to the Busty Seam :-							Splint 0 4
Sorrow	ຄ	3	0				0 2 4
Grey metal and post	2	3					5 2 d
COAL	0	0	8				
	_			5	0	8	
				_			
Carried for	war	b		59	0	9	Total *104 5
Carried 101	" al			00	U	0	10001

<sup>\*</sup> Approximate sea level 181 feet below this.

# No. 1,832.—SOUTH MEDOMSLEY.

#### TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.  $54^{\circ}$  52' 38'', Long.  $1^{\circ}$  46' 33''.

Strata sunk through at the Mary Pit, 700 yards North from Annie Pit, South Medomsley Colliery. 1867.

Approximate surface level 580 feet above sea (Ordnance datum).

Soil and clay Marl Soft stone Blue metal	Fs. Ft. 1 4 1 0 3 4 2 5	0 0 0 0	Fs.	Ft.	In.	Brought forward 8 0 0 35 4 1  Metal, with ironstone 1 1 0  COAL 0 1 10
Grey metal  Main Coal Seam—	4 1	0				Seggar and metal 1 0 0 Post 4 2 0
COAL, top 3 2 Band 1 0 COAL, bot- tom 1 0	0 5	2				Busty Seam— Ft. In.  COAL 0 6 Flagstone 0 3 COAL, top 3 1 Fire clay 2 0 COAL, bot-
		:	14	1	2	tom 2 11 1 2 9
Seggar Grey metal COAL	$\begin{array}{ccc}2&3\\2&3\\0&0\end{array}$	0 0 8				Seggar, with iron balls 1 0 0 Grey metal, with post
			5	0	8	partings 2 0 0 Hard post 2 3 0 Grey metal 2 0 0
Seggar Post Grey metal	$\begin{array}{ccc} 0 & 2 \\ 1 & 4 \\ 1 & 4 \end{array}$	0 0 0				Blue metal 1 3 0  Three-Quarter Seam—
COAL	0 0	5	3	4	5	COAL 1 6 COAL, with
Blue metal Post Blue metal, with post	$\begin{array}{ccc} 1 & 0 \\ 3 & 2 \end{array}$	0 0				brass bands 0 6 COAL 0 10
partings	6 0	0				<u>0 2 10</u>
Post, with metal partings COAL—Towneley or	2 0	0				Black metal 0 1 8   Post 0 3 0
Harvey Seam	0 1	10	12	9	10	Strata 4 3 1  Brockwell Seam—
Seggar Blue metal Post, with metal part-	$\begin{array}{ccc} 0 & 4 \\ 3 & 2 \end{array}$	0	1.6	ð	10	COAL 1 10 Splint 0 4 — 0 2 2
ings	4 0	0				5 3 11
Carried forward	8 0	0	35	4	1	Total <u>*67 0 5</u>

<sup>\*</sup> Approximate sea level 179½ feet below this.

# No. 1,833.—SOUTH MOOR.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  51' 10'', Long.  $1^{\circ}$  42' 10''.

Strata sunk through at New Acres, near Moor Edge, South Moor Colliery, upon Lanchester Common Royalty. December 10th, 1838.

Approximate surface level 658 feet above sea (Ordnance datum).

		ull	acc	101	01 (		
0.13			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1 5	0				Brought forward 4 1 10 33 4 61
Clay Sand	$\frac{4}{0}$	5	0				Grey metal 0 4 10 COAL—Brass Thill
TO 11 1	4	0	7				75
Blue gravelly clay Blue metal	1	2	6				
White post	7	4	5				Gray thill
Shield Row Seam-	•		0				Grey post 0 2 11
Ft. In.							Blue stone 1 1 5
COAL 2 0							Grey metal 2 1 8
Band 0 3							White post 0 3 4
COAL 4 10							Grey metal 0 0 4
	1	1	1				White post 0 3 3
			— :	20	1	7	Grey metal 0 1 6
Grey thill	0	4	0				White post 0 1 3
Blue metal	1	0	0				Grey metal 0 1 2
Black stone	0	0	7				White post 2 0 2
COAL	0	0	2	_		_	COAL 0 0 6
9 111			_	1	4	9	8 3 6
Grey metal stone	2	2	2				Black stone 0 3 0
White post, mixed	0	_	0				COAL 0 0 6
with whin and water	0	5	0				—— 0 3 6
Blue metal, with catheads	2	0	4				Grey metal 0 5 3 Post girdles 0 0 3
heads Black stone, mixed	2	U	4				Post girdles
with coal	0	1	0				White post, with water 8 2 11
Grey thill stone	ŏ	5	5				COAL (supposed
Blue metal, mixed	·	U	U				Maudlin Seam) 0 2 2
with catheads	1	0	0				13 1 1
White post, mixed							Grey metal 3 5 3
with whin	1	0	9				COAL (supposed Low
Blue and grey metal,							Main Seam) 0 3 0
with hard girdles	1	5	8				4 2 3
Dark blue metal, with							Black stone 0 2 3
catheads	0	2	4				COAL 0 0 7
Jet	0	0	<b>2</b>				0 2 10
Five-Quarter Seam—							Grey metal 2 0 2
Ft. In.							White post 0 4 0
COAL 2 10							Grey metal 0 2 9
Splint $2   6\frac{1}{2}$		٠,	41				White post 1 2 11 Grey metal 0 1 3
	0	5	$4\frac{1}{2}$		4	91	1
Grey thill stone	0	3	0	11	4	$2\frac{1}{2}$	White post 1 0 5 COAL (supposed
Grey metal, mixed	U	J	U				Hutton Seam) 0 2 6
with post	3	4	8				
Black stone	0	Ô					For sump 3 2 6
	—						*
Carried forward	4	1	10	33	4	$6\frac{1}{2}$	Total <u>76 5 3</u>
							V

### No. 1,834.—SOUTH MOOR.—CONTINUED.

To Hutton Seam	Fs. Ft. In. Fs. Ft. In. $76   5   3\frac{1}{2}$	Fs. Ft. In. Fs. Ft. In. Brought forward 106 1 8½
Bored, February 23rd, 1857 :—		Metal $\left\{\begin{array}{cccccccccccccccccccccccccccccccccccc$
Bored by the sinkers White post Metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 4 0
White post Whin	5 3 0 0 1 3	Grey metal girdles 6 0 0  COAL 0 1 6
Grey post Grey metal Dark metal	$   \begin{array}{ccccccccccccccccccccccccccccccccccc$	Grey metal 0 1 8 White post 1 4 6
COAL 1 1 Metal 0 3		Grey metal        1       0       6         Post         0       5       0         Metal         0       2       0
COAL 0 3 Metal 0 9		COAL (supposed Busty Bank Seam) 0 3 2
COAL 0 3	0 2 7	Dark metal 0 0 9 Metal stone 0 5 0
Grey metal White post COAL	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 5 9
	1 5 10	
Carried for	ward 106 1 8½	Total $\frac{124 \ 5 \ 9\frac{1}{2}}{}$

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,835.—SOUTH MOOR.

### TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  51' 2'', Long.  $1^{\circ}$  42' 49''.

An Account of the Boring in South Moor Staple, about half a mile West of the Pit.

Approximate surface level 698 feet above sea (Ordnance datum).

Sunk about	Fs.	Ft.	In.		Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 6 2 6 29 0 6
Grey metal	0	4	0				Grey metal 1 3 6
COAL	0	<b>2</b>	6				White post 0 5 0
			_	1	0	6	Grey metal 2 4 0
Grey metal	6	1	0				Hard post girdle 0 2 0
Black metal, mixed							COAL 010
with coal	0	1	6				12 0 0
			_				
Carried forward	6	<b>2</b>	6	29	0	6	Carried forward 41 0 6

## No. 1,835.—SOUTH MOOR.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 41 0 6	Brought forward	
	8 0 0 0 1 9	Supposed Low Seam— Ft. In. COAL 2 11	
	10 1 9	Grey metal stone 1 6	
Frey metal  Post  Ietal girdles		COAL 1 5	0 5 10
Metal Ft. In.	0 4 0	Grey metal Grey post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
OAL 0 3 COAL, foul 2 1		Grey post Grey metal COAL	
	0 2 4		$\frac{3}{1}$ $\frac{3}{3}$ $\frac{3}{0}$ 4 1 2
rey metal	0 2 11	Into white post (left off May 14th, 1859)	
~	0.011.00.0.1		2 2 0
Carried forward	0 2 11 60 2 1	Total	*68 2

<sup>\*</sup> Approximate sea level 300 feet below this.

## No. 1,836.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Boring in South Moor Royalty, yards West from December 23rd, 1866.

Farm House.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Clay 4 1 9	Fs. Ft. In. Fs. Ft. In.
	Brought forward 13 1 3 21 3 11
Grey post 0 1 0	Grey post 0 3 0
Grey metal 1 0 3	Metal, with post gir-
Grey post 0 2 0	dles 3 3 3
Grey metal 0 5 0	Dark metal girdles 0 4 6
Grey post 0 5 6	Five-Quarter Seam—
Black metal 0 4 3	
	Ft. In.
D 1	COAL 3 1
	Splint 2 3
	0 5 4
Shield Row Seam—	
Ft. In.	COAL — Main Coal
COAL 2 6	Seam 0 5 3
Metal 0 1	
COAL 3 1	0 5 3
Metal 0 6	Grey metal 0 1 6
COAL 2 3	White post 2 2 3
1 2 5	White post 2 2 3 Grey metal 3 5 3
21 3 11	0.00
Grey metal 8 0 3	Training Bronne III
Strong white post 1 3 0	Into white post.
Grey metal stone and	<del></del>
post girdles 3 4 0	
Carried forward 13 1 3 21 3 11	Total 48 3 6

### No. 1,837.—SOUTH MOOR.

#### TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Orduance Map. Lat. 54° 50′ 3″, Long. 1° 42′ 41″.

An Account of Strata bored through on Langley Moor Farm, about \( \frac{3}{4} \) mile Southwest of the Pit, and close to Mr. Gee's Fence. Commenced December 3rd, 1866; bored through Hutton Seam Sept. 2nd, 1867. By George Stott and Son, of Ferryhill.

Approximate surface level 799 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay, &c	4	1	9				Brought forward 6 3 0 41 1 4
Grey post	0	1	0				Grey post 0 3 0
Grey metal	1	0	3				Dark stone 0 1 0
Grey post	0	2	0				Grey post, with metal
Grey metal	0	4	0				partings 2 0 0
Grey post	0	5	6				Grey metal and metal
Black metal	0	4	3				stone 4 3 4
Grey and dark metal	7	4	7				Strong grey or white
Grey post	3	5	2				post 10 5 0
Metal stone	ō	2	0				•
	•	_	·				Maudlin Seam—
Shield Row Seam-							Ft. In.
Ft. In.							COAL 1 8
COAL 2 6							Black metal,
Metal band 0 1							scared with
COAL 3 1							coal 3 0
Metal band 0 4							COAL 0 8
COAL 2 3							0 5 4
	1	2	3				
				21	2	0	
				21	2	9	Grey metal, with gir-
Grey metal stone	8	0	3				dles 3 1 2
White post	1	3	0				Dark metal 0 3 3
Grey metal stone and							COAL - Low Main
girdles	3	4	0				Seam 0 2 8
Grey post	Ō	3					4 1 1
Metal and metal stone,	•	•	•				Grey metal and metal
with girdles	3	3	3				stone, with post
Dark metal, with	o	0	o				girdles 2 2 4
. 11	0	4	6				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
girdles	U	4	U				
Five-Quarter Seam-							Grey metal 0 2 10
•							Grey post 3 0 8
COAL 3 1							Metal stone 1 1 5
G 11							Hutton Seam—
Splint 2 3							Ft. In.
	0	5	4				COAL, good 3 7
				18	5	4	COAL, coarse
				10	J	4	and slaty 0 5
COAL — Main Coal							
or Brass Thill Seam	0	5	3				
				0	5	3	8 0 9
Grey metal	0	1.	6				In grey metal or seg-
White post		2	3				gar clay 0 0 6
Grey metal	3	5	3				
Carried forward	6	3	0	41	1	4	Total *79 0 4
201100 2011010	0		J		_	×	10001 79 0 4

<sup>\*</sup> Approximate sea level 325 feet below this.

### No. 1,838.—SOUTH PONTOP.

#### TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

Strata sunk through at the Lizzie Pit, South Pontop Colliery, Lanchester Common.

Approximate surface level feet above sea (Ordnance datum).

	T7	774	T.,	T2-	774	T	T. T. T. T. T.
C1	rs.	Pt.	In.	Fs.	Pъ.	IB.	Brought forward 6 4 5 9 1 7
Ulay ···	4	0	4				
Clay White post	6	1	Э				Strong grey post 1 1 3
Shield Row Seam-							Blue metal and iron
Ft. In.							girdles 2 0 2
COAL, good 3 0							Grey post, mixed with
COAL, good 5 0							
COAL, brassy 3 0							white 9 2 0 Soft blue metal 0 0 9
	1	0	0				Soft blue metal 0 0 9
				9	1	7	
Soft blue metal and							20 2 1
iron girdles	2	4	Q				Stone $0 \ 0 \ 10\frac{1}{3}$
	-	10	•/				COAL—Brass Thill
Strong blue metal and	_	_	_				
iron girdles	0	5	7				Seam 0 5 8
Blue metal	2	1	0				$106\frac{1}{3}$
iron girdles Blue metal Grey post	0	5	1				*
constant in the second			_				
Carried forward	6	4	5	9	1	7	Total 30 4 21

# No. 1,839.—SOPPIT.

#### TOWNSHIP OF ELSDON, NORTHUMBERLAND.

Sheet 52 of Ordnance Map. Lat.

, Long.

Section of the Strata in the most Western Pit at Soppit Colliery, near Elsdon. 1846.

Approximate surface level feet above sea (Ordnauce datum).

Clay Limestone Grey shale Hard freestone Grey shale COAL	Fs. Ft. In. Fs. Ft. In 10 0 0 0 2 0 2 0 0 1 3 0 0 4 6 0 0 3	Brought forward   Grey shale 0 4 3   Soft coarse freestone 2 4 0   Strong grey shale 0 4 0   White freestone plate 0 4 0   White coloured shale 1 0 11   COAL 0 3 10
Carried forwa	ard . 14 3 9	Total 21 0 9

## No. 1,840.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Bored at South Shields in the Quarry Close. 1759.

Approximate surface level feet above sea (Ordnance datum).

Soil and sand	Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 2 0 20 0 4
Brown ramble stone		5					Grey and white post,
Diown famole stone				1	2	0	with whin lumps
Brown and grey post,	_			•	-	Ü	and water 2 0 8
with water	8	3					Brown and white post 10 4 0
Blue metal	1	4	9				Brown and grey post 2 2 0
COAL, with scare							White and grey post,
bands	0	<b>2</b>	4				with coal pipes and
				10	4	1	stones 7 3 0
Grey thill	0	1.	5				Grey metal stone, with
Grey metal, with water	1	4	6				grey post girdles 1 4 6
Grey metal, with water Grey metal stone	3	0	0				Blue metal, with stony
White post, with water Grey metal	2	1	0				lumps 0 3 6
Grey metal	0	4	0				Black metal 0 2 0
COAL	0	1	4				27 3 8
				8	0	3	In grey stone 1 1 0
Grey thill	0	1	0	-	-	_	12 810) 50000
Grey metal stone	2	ī	Õ				
orej metar eteme	_						
Carried forward	2	2	0	20	0	4	Total 48 5 0
201104 201 11414	_	-	•	_0	J	-	1000

# No. 1,841.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Third Hole bored near Westoe, in the Quarry Field, near the South-east Corner of the Ginn Close. April 1st, 1779.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Old borehole					0		Brought forward 1 4 3 49 0 0
Greenish grey metal							Grey metal 0 1 0
stone	0	2	6				Black metal, with
Strong white post, with							seares of coal 0 0 4
water	0	1	0				Black metal 0 1 0
Black grey metal							Red seamy metal
Grey metal							stone 1 1 0
Grey post							Whin 0 1 0
,	_	_	_				
Carried forward	_ T	4	- 3	49	υ	U	Carried forward 3 2 7 49 0 0

## No. 1,841.—SOUTH SHIELDS.—CONTINUED.

Brought forward		Ft. 2		Fs. 49		In.	Fs. Ft. In. Fs. Ft. In. Brought forward 15 2 6 49 0 0
Strong grey post	ő	ī	8	20	•		Strong white post 0 2 0
Red scamy stone	ñ	ī	ñ				Grov motel stone
Red scaliny stone	0	1	ň				Grey metal stone 1 0 0 Blue metal 0 5 0
	0	1	2				Dide metal 0 5 0
Whin	U	T	Z				Black metal 0 1 0
Strong grey and brown							Ft. In.
post, mixed with							COAL 0 8
water		2	0				Black grey metal,
Red scamy stone	0	1	1				with scares
Strong white post,							of coal 0 4
mixed with whin							COAL 0 11
girdles and red							0 1 11
scamy partings	7	2	6				10.0
	i	õ	ő				
Red post	_	1					Grey metal 0 1 0
Whin	0	1	0				Grey metal stone 0 2 0
Grey metal		0	b				Grey post, with water 0 3 0
Black metal	0	0	8				Grey metal stone 0 2 0 Grey post, with water 0 3 0 Strong white post 1 0 6 Grey post 0 3 6
Black metal, scared							Grey post 0 3 6
with coal	0	0	4				In blue metal stone 0 3 0
Greenish blue metal,							3 1 0
with hard girdles	1	5	0				0 1 0
Carried forward	15	2	6	49	0	0	Total 70 1 5
Carried for ward	10	-	J	10	9	9	70 1 0

## No. 1,842.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Bored at South Shields in the South Dean. 1759.

Soil and brown clay White post, with me-	Fs.	Ft. In.		Ft. 3		Brought forward 3 0 11 8 0 7 Black stone, mixed
tal partings and						with coal 0 0 6
water						Grey metal, with coal
Grey and white post						pipes      0     1     6       Grey metal      2     3     9       COAL      0     1     0
Grey metal	1	5  0				Grey metal 2 3 9
Black stone	0	0 10				
COAL	0	1 3				6 1 8
			4	3	1	Grey thill 0 0 6
Grey thill	0	0 7				Grey metal stone 0 3 3
Grey metal stone, with						Grey metal, with hard
post girdles	1	4 10				lumps 1 3 0
Grey and white post,						COAL 0 0 8
with water Grey metal	1	1 0				Grey metal, mixed
Grey metal	0	0 6				with coal 0 1 1
						2 2 6
					_	
Carried forward	3	0 11	8	0	7	Carried forward 16 4 9

## No. 1,842.—SOUTH SHIELDS.—CONTINUED.

Brought forward  Fs. Ft. In. Fs. Ft. In.  16 4 9	Brought forward 0 4 6 18 5 8
Grey thill 0 2 9 Brown and white post, with metal post and	White and grey post, with water 1 1 10 Grey metal stone 5 3 0
water 1 2 0 Grey metal 0 1 10 COAL 0 0 4	Ft. In.  COAL 1 4  Band 0 2  COAL 0 9
Grey thill 0 1 0 Grey metal stone 0 1 9	COAL 0 9 0 2 3 7 5 7
Strong white post 0 1 9	In grey thill 7 0 0
Carried forward 0 4 6 18 5 8	Total <u>33 5 3</u>

## No. 1,843.—SOUTH SHIELDS.

### TOWNSHIP OF WESTOE, DURHAM.

Bored near South Shields. First Hole. March 16th, 1778.

Sheet 4 of Ordnance Map. Lat. , Long.

Approxim	ate	suri	face	lev	el	:	feet above sea (Ordnance datum).
Soil	_	Ft.	In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 18 1 0
Leafy clay		ō					Grey metal 1 0 4
Strong clay		3					Black metal 0 1 10
~ · · · · · · · · · · · · · · · · · · ·			_	2	5	3	Grev metal 0 0 10
Grey metal	0	3	6	_			Grey metal 0 0 10 Strong white post 0 2 0
Black metal		3	Õ				Grey metal and metal
Grey girdle			6				stone, with water 2 2 6
Black stone	^	1	Õ				Blue metal 0 5 10
Grey metal, with post		_	•				COAL, with danty
girdles and water		0	3				bands 0 2 2
Black metal, mixed		•	•				5 3 6
with coal		1	6				Grey metal stone 0 0 6
Soft grey metal							White post, with
Red metal		ĩ	- ĕ				water 0 3 0
Reddish brown post,	_	_	·				Blue grey metal stone,
with cashy partings							with post girdles 5 1 0
and water, and set-							Blue and black metal,
tled the top feeder		2	0				mixed with coal at
Strong white post							the bettern 0 3 6
Strong reddish and		Ů	~				the bottom 0 3 6 Grey metal 0 2 3
brown post, with							Grey metal 0 2 3 Strong white post 1 3 0 Grey metal 0 3 0
cashy partings and							Grey metal 0 3 0
water		2	2				Greenish grey metal
Red scamy metal			0				stone, with post gir
COAL, fonl							dles and water 1 0 0
	_			15	1	9	Strong white post 1 1 9
Carried forw	ard			18	1		Carried forward 11 0 0 23 4 6
Carried forw	aru			10	1	U	Carried forward 11 0 0 25 2 0

## No. 1843.—SOUTH SHIELDS.—CONTINUED.

					Ft.			Fs.	Ft.	In.	Fs.	Ft.	Tp
Brought forward	11	0	0	23	4	6	Brought forward	5	0	2	41	3	0
Grey metal stone, with			,				Brown post, with red						
post girdles and	_	_	,				partings	1	2	10			
water	1	3	6				Strong white post,						
COAL, with scares			^				mixed with whin	0	3	-6			
of brass	0	1	0	10			Brown scamy post,						
	_			12	4	6	with metal partings	0	2	6			
Black and grey metal,	0						Strong blue scamy			_			
with scares of coal	0		3				metal, with water	1	3	6			
Grey metal	0	3	0				Soft black metal, with						
White post, with water	0		0				water	0	1	6			
Grey metal stone	0	3	9				COAL, with danty						
COAL, foul, with			_				scames	0	<b>2</b>	0			
water	0	1	2								9	4	C
Blue metal, with scares		_				-	Grey metal	0	1	6			
of coal	0		9				Grey scamy post, with						
Grey metal stone	2	1	11				water	1	0	0			
Grey metal		1					Grey metal stone, with						
COAL	0	1	_		_		hard lumps and						
				5	0	0	water	1	5	0			-
Grey metal			. 4				Black metal, with						
Reddish brown post	0	3	0			-	scares of coal	0	0	6			
Whin	0	1	2				Grey metal	0	1	6			
Grey metal stone, with							Greenish grey metal						
red partings		5	0				stone	1	4	6			
Whin	0	1	0				Whin	0	1	8			
Reddish brown post,							Strong white post	4	3	0			
with water	0	1	0				Whin	0	3	$^{2}$			
Whin	0	2	0				Strong white post	5	2	8			
Strong white post,							Whin	0	1	0			
mixed with whin	1	1	6				Blue grey metal stone	0	3	0			
Whin ,	0	0	11				Strong white post	0	1	1			
Strong white post,							Whin	0	1	2			*
mixed with whin	1	1	6				In whin mixture	0	2	3			
Whin	0	0	9				10-			_	17	2	(
Carried forward	5	0	2	41	3	0	Total				68	3	(
										=			-

## No. 1,844.—SOUTH SHIELDS.

#### TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Bored near Westoe, about 100 yards to the South from the Bent House. Second Hole. Begun June, 1779; finished 1780.

Sunk and bored for- merly Greenish metal stone and post girdles, set away the water	28	4	6	Ft.	In.	Brought forward 31 4 0  White and grey post, with metal partings 0 5 0  Grey metal stone 5 4 0  COAL 0 1 2
Carried forward	31	4	0			Carried forward 38 2 2

# No. 1844.—SOUTH SHIELDS.—CONTINUED.

Brought forward Grey metal Reddish grey metal, with post girdles	Fs.	Ft 1	. In.		Ft. 2		Brought forward 14 1 7 55 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
and water Whin Red stone Whin mixture	1 0 0 0	$0 \\ 0 \\ 1 \\ 1$	6 8 9 6				Grey metal 0 0 6 6 White and grey post 1 0 0 Whin 0 1 1
Strong white post Red and grey scamy post Blue metal stone	3 5 0	1 3 2	0 4 3				Grey metal stone and whin girdles 2 3 3 COAL 0 2 4
Supposed 70-Fathoms							Grey metal stone 1 0 3
Coal—Ft. In. COAL, hard coarse 0 9 Grey and blue metal 1 3							COAL, foul in places 1 3 Brassy band 0 4 COAL 0 3
COAL, hard							0 1 10
coarse 1 6	Ċ	0	-				1 2 1
	0	3	6	11	4	0	Grey metal 0 2 9 Strong grey metal and
()	0	,	0				hard girdles 2 2 10
Grey metal Grey metal stone	0	1	0				Whin 0 1 0 Strong grey metal
Grey scamy post Grey metal stone, with post girdles and me- tal partings	0	2	6				stone 0 1 6 Whin mixture 0 1 6 Strong grey metal stone and hard gir-
COAL	0	0	1				dles 7 2 0
			_	5	0	7	Blue grey metal 2 2 0 Whin 0 0 7
Grey metal stone Whin (11 days' work)	1	<b>4</b> 0	9			,	Strong white post 0 3 0 Grey metal stone, with
White post	5	3	0				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone Black metal	0	$\frac{2}{0}$	$\frac{6}{8}$				Grey metal stone 0 1 8
COAL, foul Blue grey metal stone	0 1	0 1	$\frac{3}{6}$				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Whin mixture	0	1 3	1 7				Grey metal stone and whin girdles 1 2 0
Black metal and scares	U	0	′				Dark grey metal and
of coal Strong white post,	0	0	3				coal pipes        0       2       0         Grey metal        0       5       0
with whin	1	3	9				Grey metal stone,
White post	0	2	o				Grey metal stone, with girdles and
Blue grey metal, with girdles	1	0	9				with girdles and metal partings 1 3 0
Black slaty stone	0	1	0				White post, with whin 0 1 0
Whin girdle	0	0	$\frac{4}{2}$				Grey metal 0 1 0 Whin girdles and me-
Whin girdle Grey metal	0	1	4				tal partings 2 3 9
Whin, with small part- ings near top	0	2	10				Left off in whin 0 0 8 25 4 0
•							
Carried forward 1	4	1	7 5		0	9	Total 102 5 7

## No. 1,845.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Account of Boring at South Shields. May 2nd, 1814.

Approximate surface level feet above sea (Ordnance datum).

Soil				Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.		Ft.	
Brown leafy clay, with							Brown post and part-				0	U	O
scares of sand	1	2	0				ings COAL, foul	0	5	0			
Stony clay, with scares of sand	5	9	e				COAL, foul	0	1	0	1	0	0
Leafy clay, with scares	Ð	4	U				Grey metal	0	0	2	1	U	U
of sand							Whin						
Gravel, with water	0	1	0		Δ	6				_	0	1	2
				8	0	_							
Carried for	war	d		8	0	6	Total		•••	_	9	1	8

## No. 1,846.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Account of Boring at South Shields, in Brick Yard North of King Street.
April 20th, 1815.

(1)	Fs. Ft	. In.	Fs. Ft. In.					Fs.	Ft.	In.
Soil, clay, gravel, and				Brought forward	6	0	6			
loam rubbish, with				Sand, with a siping of						
a siping of water	1 0	0		of water	0	0	9			
Strong clay	0 3	0		Strong clay, with						
Sand	0 0	9		scares of sand	2	2	9			
Strong clay Sand Clay	0 3	3		Sand, with water	0	5	6			
Sand, with a siping	0 0			Stony clay	0	3	0			
of water	0 2	0		scares of sand Sand, with water Stony clay Sand, with water	5	5	6			
Leafy clay, with scares	0 2	0		Leafy clay, with scares	•					
of sand	0 1	0		of sand	1	0	6			
of sand Strong clay Gravel	1 0	0		Sand	õ	ŏ	6			
Gravel	0 1	6		Sand In gravel	ŏ	2	7			
Strong stone class	0 1	0		in graver	_			17	3	7
Strong stony clay	2 1	U						~•	•	٠
										_
Carried forward	6 0	6		Total		• • •	-	17	_3_	7

# No. 1,847.—SOUTH TANFIELD.

TOWNSHIP OF KWO, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 10″, Long. 1° 43′ 15″.

An Account of Strata sunk through at South Tanfield Colliery, in Kyo Estate, from the surface to Brass Thill (or Main Coal) Seam. Sunk to Five-Quarter Seam, 1837; to Brass Thill Seam, September, 1839.

					_		
Soil		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 28 1 10
Blue gravelly clay and	U	1	U				Thill stone 0 3 6
sand	8	1	8				Post and grey metal
Grey post	2	1	0				stone 10 5 8
Blue metal stone	1	1	5				Grey post 3 0 0
COAL and black							
stone	0	4	6				Five-Quarter Seam—
	_			12	3	7	Ft. In.
Grey thill stone	0	2	0				Jet 0 1 COAL.good 3 1
Grey metal stone	ŏ		ő				COAL, good 3 1 Splint 0 2
White post, with water		ĭ					COAL, good 1 6
Grey post, with water	0	1	3				0 4 10
Blue metal stone, with							
ironstone	3		0				——————————————————————————————————————
COAL	0	0	6				(F) (1) 4
				4	4	7	Thill stone 1 0 0
Strong thill stone	0	4	3	_	_	٠	Blue metal stone, with
Blue metal stone	$\frac{0}{2}$	44					post girdles and water 0 5 0
Post (Shield Row Post)		**					Post, with water 1 0 0
with much water,							Grey metal stone, with
which has all taken							post girdles 2 2 0
o <b>ff</b>	6	2	0				COAL—Brass Thill
							Seam 0 5 3
Shield Row Seam—							
Ft. In.							6 0 <b>3</b>
COAL, top							
(coarse) 1 2 COAL. good 4 4							
COAL, good 4 4 Swad or coarse							·
slaty coal 0 6							
COAL, ground							
(very hard) 1 4							
	1	1	4				
	_			10	5	8	•
Carried for	war	d		28	1	10	Total *49 4 1
•							

<sup>\*</sup> Approximate sea level 492 feet below this.

# No. 1,848.—SOUTH TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  52' 10'', Long.  $1^{\circ}$  43' 15''.

Account of the Strata sunk through in the C Pit, South Tanfield Colliery. Commenced sinking, April 11th, 1870; finished, July 22nd, 1971.

Strong clay Strong clay and loam Clay, mixed with	Fs. 2 1			Fs.	Ft.	In.	Brought forward 10 2 0 49 2 4 Blue stone 1 4 2 COAL 0 0 4
stones	1	0	0				——————————————————————————————————————
Clay, mixed with sand Post stone	4 2	$0 \\ 1$	7				Blue stone and post 0 2 6 Post 3 2 0
Blue metal	0	4	8				Grey post, with blue
Post girdle	0	0	8				metal partings 1 4 3
Black thill stone	1	0	5				Post and blue partings 0 3 9
COAL	0	0	3	12	5	7	Post 1 2 0 Post, with partings 0 3 0
Seggar clay	0	1	6		Ü	•	Post 0 3 6
Blue metal	1	1	0				Post, mixed with whin 0 3 0
Post girdle	0		4				Post 0 4 10
Blue metal Soft blue metal	0	3	10				Post, mixed with whin 1 2 6
COAL	0	0	6				Post 0 2 6 Post, with parting 0 2 0
	_			4	1	8	Post 0 4 8
Seggar, mixed with							Post, mixed with whin 0 3 1
blue metal	0	4	6				Post 0 3 11
Blue metal	1	2	7				Blue metal 1 3 8
Post COAL—Shield Row	5	3	8				Low Main Seam of the Beamish District ;
Seam	0	5	7				Hutton Seam of the
	_			8	4	4	Pontop District—
Thill stone	0	2	9				Ft. 1n.
Blue metal	1	5	9				COAL, good 3 1 Band 1 0
Blue metal, with 2 feet of whin girdle	3	3	2				Band 1 0 COAL, jet 0 6
Blue metal	1	4	ĩ				COAL, good 1 9
COAL	0	0	3				Band 0 6
DL., 1			_	7	4	0	COAL, good 3 6
Blue metal	3	4	0				Band 0 2 <b>COAL</b> , good 1 4
Blue metal, with post girdles	0	4	6				COAL, good 1 4 1 5 10
Blue metal	Ö	2	ŏ			-	17 3 0
Post stone	4	1	0				Seggar 0 1 7
COAL-Five-Quarter		_					Post, mixed with blue
Seam	0	5	3	9	4	9	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Thill stone	0	5	0	9	**	0	Blue metal, mixed with
Blue metal	1	4	ŏ				ironstone balls 0 3 0
Grey metal	1	3	0				Blue metal, mixed with
Blue metal COAL—Brass Thill	1	0	11				post 1 5 4  COAL — Main Coal
Camus	0	5	1				or Hutton Seam 0 3 0
Seam				6	0	0	3 4 6
Thill stone and seggar	0	2	0				Seggar 0 3 0
Post	1	0	0				Blue metal 0 2 0
Blue stone Blue metal	0	3	0				Blue metal, mixed with ironstone balls 2 2 5
Blue stone and post	1	3	0				Blue metal 0 4 7
Post	3	3	ŏ				4 0 0
Carried forward	10	2	0	49	2	4	Total *86 4 4

<sup>\*</sup> Approximate sea level 270 feet below this.

## No. 1,849.—SPENNYMOOR.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map.	Lat.	, Long.
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#### Account of Boring at Spennymoor No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In. Fs.	. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay			2	2	4			Brought forward 10 3 4
Metal			0	3	7			Metal 1 0 6
Post			1	0	6			11 3 10
Metal			0	4	3			COAL 0 2 3
Post	•••		2	1	2			Metal, mixed with coal 0 0 4
Metal, mi			0	2	0			0 2 7
Metal			2	4	6			Grey metal.
Post			0	3	0			
Carr	ried forwa	ard	10	3	4			Total 12 0 5

#### No. 1,850.—SPENNYMOOR.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map.	Lat.	, Long.
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#### Boring near Mr. Adamson's Public House. 1858.

Approximate surface level	feet above sea (Ordnance datum).

				Fs. 1			. Ft.	In.	
Clay $\dots$		 	 	 2	5 (	)			
Metal		 	 	 2 (	0 (	)			
Post, with v	vater	 	 	 2	3 (	)			
Metal		 	 	 0 :	2 (	)			
COAL		 	 	 0	1 (	)			
Into metal		 	 	 0 :	3 6	3			
						8	2	6	
		Total	 	 		8	2	6	

Water stands at 6 fathoms 2 feet from the top; it was sunk to and found to be a strong feeder.

## No. 1,851.—SPRINGWELL.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 25″, Long. 1° 33′ 17″.

Approximate surface level 455 feet above sea (Ordnance datum).

Section of Strata sunk through in the New Winning, A and B Pits, at Springwell.

Begun May 8th, 1821; finished February 24th, 1824.

~		Ft. In		Ft.	In.	Down N. C.	Fs.	Ft.	In.	Fs.		In.
Soil	0	1 (				Brought forward			11	<b>3</b> 9	2	4
Clay	1	3 7				Blue metal	5		10			
Strong brown post		0 8				COAL and band	0	0	8			
Brown and white post	8	2 (	)							6	2	5
Blue metal	1	4 6	;			Thill	0	1	3			
COAL	0	1 6	;			Grey metal and thin						
			23	1	3	girdles	0	2	4			
gm :11	Λ	4 0				Scamy post	0	1	4			
Thill	0	4 (				Blue metal	ĭ	ĩ	4			
Scamy gullety post	3	1 8				Black metal	õ	ō	3			
Strong grey metal	1	0 0				0041	ŏ	0	6			
Blue metal	1	4 5				COAL	U	U	О	0	-	
Black metal	0	1 4							_	<b>2</b>	1	0
COAL	0	0 6				Thill	0	2	2			
			6	5	11	Thin post and girdles	0	3	4			
(77) -11	^	1 0				Scamy post and whin	0	3	î			
Thill	0	1 3				White post	ŏ	5	ō			
Thill	0	2 4				Black metal	2	3	2			
Strong grey metal and						0041	õ	0	5			
post girdles	0	4 6				COAL	U	U	Э		-	
Blue metal stone	0	5 8				•			_	4	5	2
Black metal, with post						Thill	0	1	10			
girdles	0	4 1				Grey metal	1	1	6			
COAL	0	0 10				Post, called Main Post	8	2	8			
			3	0	8	Whin	ŏ	5	4			
*	_		•	•		Post	ĭ	ő	Õ			
Thill	0	3 1				731	ō	3	7			
Strong grey metal	0	4 4				D1 1 4 1	-	0	9			
Post, mixed with grey						Black metal	0	U	9			
metal and whin	0	2 9				High Main Seam—						
Blue metal	1	2 0				Ft. In.						
Black calm	0	3 6				COAL, top 2 1						
Post girdle	Õ	1 4				Black slate 0 11						
Black metal and iron-	·					Thill 1 4						
stone girdles	0	1 7				Post girdles						
0041	0	0 5				and blue me-						
COAL	U	0 3	4	1	0							
D1 . 1 . 1 . 4	$\overline{}$		4	1	U							
Black slate	0	3 0				Brown metal 1 5						
Thill	0	2 1				COAL, bot-						
Grey metal and post						tom 2 1	_	_	_			
girdles	0	3 8					2	3	2			
Ft. In.										15	0	10
COAL 1 8						Black slate	0	3	11			
COAL, coarse,						Blue metal	0	4	1			
and slate 1 1						Black metal	0	1_	5			
	0	2 9				Strong blue metal	1	1	8			
			1	5	6	Post girdles		õ	4			
Thill	0	1 5	-	0	U	Black stone and coarse	-	-				
TITL :4 . 43. *11	0	2 6					0	0	4			
white thin	U	4 0				_	1	3				
						Blue metal	1	ο.	LI			
						G	c	2	0 7	2/7	_	-
Carried forward	0	3 11	39	2	4	Carried forward	6	3	8 6	7	5	9

## No. 1,851.—SPRINGWELL.—CONTINUED.

Brought forward	Fs. 6 0	3	In. 8	Fs. 67	Ft.		Brought forward Fs. Ft. In. Fs. Ft. 1 Thill 0 5 1
Black metal Metal Coal Seam— Ft. In.	U	U					Thill
COAL 0 6 Band 0 6 COAL 0 3							Post 1 4 7 Black metal 2 1 3 Post, mixed with blue
Band 0 5 COAL 2 0							metal 0 2 3 Post 0 4 0
	0	3		7	1	7	Grey metal 0 2 5 Whin 0 0 10
Thill strong blue metal and		_	9 11			*	Grey metal, with post girdles 2 3 5 Blue metal 0 1 4
ironstone girdles Post girdle	0	$\frac{2}{2}$	3 10				Black metal 0 0 6
Blue metal and iron- stone girdles	0	2	- 8				Bensham or Maudlin Seam— Ft. In.
Black metal	0	_	6 10	3	1	9	COAL, top 2 5 Band and splint 0 7 COAL 1 5
Thill Frey metal and post	0	3	3	_	_		Band 0 2
girdles ost, mixed with whin	1	1 2	8				tom 0 6 0 5 1
trong grey metal	0	<b>2</b> 0	9 10	3	4	8	Thill 0 2 1
hill Blue metal	0	1 5	4 5	J	*#	0	Scamy post girdles 1 1 5 Blue metal 0 5 10 COAL 0 1 2
Black stone	0	0	4 9				Thill 0 3 2 2 4
ost girdles, mixed with blue metal	0		11				Scamy post girdles 1 3 0 Black metal 0 1 7
Vhin camy post	0	$\frac{5}{4}$	0 1				COAL 0 0 9
camy post girdles, mixed with blue metal	1	2	6				Scamy post girdles 0 5 6   Grey metal 1 4 8   COAL—6/4 Seam 0 1 11
Slue stone, with iron- stone girdles	1	2	6				Thill 0 2 1
Black metal Yard Coal Seam— Ft. In.	U	U	O				Scamy post girdles 1 0 1 Blue metal 1 1 8
COAL 1 8 Thill 2 8							Five-Quarter or Low Main Seam—
Scamy post 3 6 Grey metal and post gir-							COAL 1 7 Splint 0 4
dles 16 4 Blue metal 2 6							COAL 1 1 0 3 0 3 0 1
COAL, coarse, or band 0 7 COAL 1 0 Band 0 4							Thill 0 2 9 Grey metal and girdles 2 4 5 COAL 0 0 4
COAL, bot-							Black metal 0 0 7
	5	1	2	11	4	6	Scamy post girdles, mixed with whin 1 3 4
Carried for	war	d		94	-0	3	Carried forward 1 3 11 119 2

\* Approximate sea level (Ordnance datum).

## No. 1,851.—SPRINGWELL.—CONTINUED.

Brought forward Whin, mixed with post Grey metal and post girdles Post, mixed with whin Grey metal and girdles Blue metal stone Black metal stone	1 1 4 0 3 6 1 2 3 0 1 11	Brought forward 5 4 4119 2 4  Hutton or Low Main  Seam Ft. In.  COAL, fine 4 0  COAL, coarse 0 11
. Carried forward	5 4 4119 2 4	Total 125 5 7

## No. 1,852.—SPROUSTON.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

#### Boriny in the East Part of Sprouston Quarry.

	Fs.	Ft.	In.	Fs. Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In
Bad freestone	0	2	0			Brought forward	11	2	0			
Dent	0	4	0			Hard stone	0	4	0			
Whin	0	1	0			Blue freestone	1	2	0			
	1		0			Hard whin	0	3	0			
Hard limestone		ĭ				Black dent	0	5	0			
Strong brown clay	ŏ	4	ŏ			Whin and dent alter-						
	ĭ		ŏ			nating the strata,						
Very hard whin	ñ	1	6			about 3 or 4 inches						
Brown dent		ô	ő			thick	2	0	0			
Hard whin	ō					Hard freestone		ĭ	ŏ			
TA	ő	2	0			Stone, extraordinarily	_	_	-			
Clay, mixed with dark	U	2	U			hard	1	3	0			
	Λ	4	0			Left off in very hard	-		•			
TN1 1			-			brown stone, and,						
731 0 1	_	4	6			from its weight,						
	U	4	U									
Strong blue dent,	-	^	0			supposed to contain	0	4	0			
mixed with iron ore		_				ironstone	U	-1	U	21	0	(
Strong black dent	1	0	0							21	U	•
	_									01		
Carried forward	11	2	0			Total		• • •	_	21	0	-

## No. 1,853.—STANHOPEBURN.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

Section and Names of the Posts of the Great Limestone at Lane Head Quarry, Stanhopeburn.

Approximate surface level feet above sea (Ordnance datum).

		Ft.		Fs.	Ft.	1	'n.	Fs. Ft. In. Fs. Ft. I Brought forward 0 5 6 3 5
Top or stud post	0	1	4					Five thin posts, 6 in.,
Black bed, bituminous			-					12 in., 15 in., 16 in.,
shale	0	0	5					
Thick crotley post	U	1	0					414 27 217 117
Black bed, bituminous	_	_	_					totte military posts
shale		1	0					
Bad breaking post	0	3	5					Shining Eley 0 3 0 Cockle shell post 0 1 2
Four black and grey								T
beds, bituminous								Two thin posts, 10 in.
shale	0	2	9					and 13 in 0 1 11
Hard post	0	<b>2</b>	4					Blackbed post 0 2 5
Black bed, bituminous								Four thin posts, 10 in.,
shale	0		6					10 in., 11 in., and
Coarse post	0	2	6					16 in 0 3 11
Black bed, bituminous								Dun Kit post 0 3 7 Dun Kits bastard post 0 3 0
shale	0	1	2					
				3	. (	1	5	Three thin posts, 12 in.,
				•	' '	,	·	15 in, and 13 in 0 3 4
Half-yard post			6					Dun Jin, with a thin
Thin crotley post	0	0	6					post in the middle 0 4 6
Three thin posts, 11 in.,								Stiff Dick post, with
10 in., and 9 in	0	2						one bed 0 4 8
Black bed	0	0	4					Whaley post, with two
	_			- 0	) ,	1	10	beds 0 4 9
Three thin posts	0	1	6					Yard post 0 2 11
		i						Jack or Newcastle post 0 1 10
	0							Bottom post 0 1 8
Toby Gills post	U	_	U					10 0
Carried forward	0	5	-6	-	3	5	3	Total 13 5

### No. 1,854.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Boring for Water at Stanley. 'May 5th, 1843.

Brown post Grey metal		7	0	0	Ft.	In.	Brought forward Brown post (day water here)	9		3	Fs.	Ft.	In.
Carried forward	ì	9	5	3			Carried forward	10	0	0			

## No. 1,854.—STANLEY.—CONTINUED.

Brought forward 10 0 0  Grey metal 1 0 0  Sunk the well and found no water  Bored further:—  Grey metal stone, with post girdles 3 5 4  COAL 0 1 6	Brought forward Grey metal stone, with hard girdles 3 2 2 Brown post 0 3 0 In grey metal 3 0 0  (No water.
Carried forward 15 0 10	Total <u>22 0 0</u>

## No. 1,855.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

An Account of the Boring in Stanley Royalty on the right hand side of the Road leading to the Farm House, about yards from the Cottage on the East boundary. December 1st, 1853.

		Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay			1					Broug	ht for	ward	2	1	7	10	2	11
Brown metal		3	1	0				Grey metal			1	1	9			
White post		0	2	8				COAL, for			_	1	6			
Dark grey metal			1					,						3	4	10
COAL		Õ	2	7				Grey metal			0	3	6		-	20
	•••	_			8	2	9	Grey post				0				
Grey metal		Õ	1	3	U	-	·	White po		nixed	•	0	•			
COAL		ŏ	0					with whi			0	5	0			
		-			0	2	1	White post			1	0	0			
Grey metal		0	5		U	2	1	Grey metal			0	3	3			
T) 1		0						COAL			*0		5			
COAL	• • •		4	0				COAL			*0	9	Э		0	
COAL		0	0	8										4	3	5
a					1	4	1	Into grey n	netai					3	3	9
Grey metal		0	3	0												
Grey post and n																
partings		1	4	7												
Carried forwa	ard	2	1	7	10	2	11		Tota	ıl				22	2	11
													-			

<sup>\*</sup> Au error, by reason of the man in charge of the hole making a mistake in the getting of the coal, which is seen in next account.

#### No. 1,856.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

Account of the Second Hole in the Stanley Estate, by the Burn side, about 280 yards
North-west from the First. January 30th, 1854.

Approximate surface level

feet above sea (Ordnance datum).

Soil and ramb Grey metal .		. (	) ) -	Ft. 5 2 2	In. 6 0 7	Fs.	٠		Brought forward Bored further, Aug. 7th:— Grey metal stone, with			In. 10	Fs. 11	Ft.	In. O
Metal .			 ) )		10 10	1	4	1	post girdles	6	2 1	0 4	6	5	2
Grey metal st	one	_ . { . (	 5	3	 3 6	0	1	8	Black metal Grey metal stone White and grey post Grey metal stone, with		0 0 4				
Grey metal . Grey post, wi		. (	)		0	5	4	9	post girdles	0	0	0 4	3	4	10
partings .		. :	2	5 2	0 6	3	2	6	Black stone Grey metal stone and post girdles White and grey post	1	0	0			
Brown metal	stone	. (	)	1	10				Grey metal COAL, good 3 6 Splint 0 2	0	0	6			
									Grey metal	0	3	8	5 0	5	7 3
Carried f	orward	-	0	1	10	11	1	0	Total		•••	=	27	4	10

## No. 1,857.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

Account of Boring the Third Hole in Stanley Estate, opposite the Farm House in the Allotment Land. April 24th, 1854.

Approximate surface level

feet above sea (Ordnance datum).

Brown stony clay Grey metal stone, with	Fs.		Fs.	Ft.	In.	Fs. Ft. Ind		Ft. 5	
post girdles	2		3	5	9	6 5 0		5	3
Carried for	war	:1	3	5	8	orward	10	4	11

## No. 1,857.—STANLEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 10		In. 11	Fs. Ft. In. Fs. Ft. Brought forward 22 0	In.
Grey metal, with gir-							Grey metal 0 5 6	
dles	2	1	1				Iron stone 0 0 7	
			_				White post (set away	
Ft. In	•							
COAL 2 10								
Dark metal 0 6							Grey metal stone 4 1 5	
COAL 0 8							COAL 0 1 3	
	0	4	0				6 0	$^{2}$
				<b>2</b>	-5	1	Grey metal stone 2 1 0	
Davis many matel with							COAL, foul 0 0 4	
Dark grey metal, with	9	4	10				2 1	4
girdles			10				Grey metal stone, with	
COAL	0	1	9		_	_	post girdles 2 0 6	
	_			4	0	7	Black stone 0 1 8	
Grey metal	1	0	0				0041	
White post, mixed		_	•					_
4.2 2.4	0	5	0					5
	_						Dark metal stone 1 4 7	
White post			0				White and grey post 4 1 0	
	0	3	5				Grey metal 0 1 0	
COAL	0	2	6				COAL, good 0 3 8	
				4	1	11	Grey metal 0 0 5	
						11	6 4	8
							0 1	_
Carried for	T-0 11	a		22	0	6	Total 39 3	1
varried for	war	u		42	U	0	Total 39 3	

## No. 1,858.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Stanley, in the Long Hole.

-							
Di i			In. F	s. I	řt.	In.	Fs. Ft. In. Fs. Ft. In.
	10	4	0				Brought forward 0 5 3 21 0 9
Grey metal	. 1	1	0				Grey post 0 1 8
Black stone and coa		2	0				Black stone 0 0 6
Grey metal, with pos							Grey post, with water 0 5 6
. 11		3	0				Grey metal stone 1 1 6
Grey post		4	9				Busty Seam- Ft. In.
Grey metal	. 0	4					COAL 2 8
Black stone and coa	0	2					Band 2 2
Grey metal		1					COAL 0 4
Grey post			4				0 5 2
Brown post							4 1 7
	1						Dark grey metal, with
White post, with water		2	4				post girdles 2 2 0
COM	0	ō	$\hat{3}$				White post, set away
			_ 2	1	0	9	water 1 0 2
Grey metal, with coa	1				•	v	White post 1 1 2
	0	5	9				1 9 0
pipes	U	J	9				Grey post 1 5 0
Carried forward	0	-	9.0	1	^	9	Carried forward 6 0 4 25 2 4
Carried forward	U	Э	. 3 2	T	0	9	Carried forward 0 0 4 20 2 1

#### No. 1,858.—STANLEY.—CONTINUED.

Brought forward			In. 4				Fs. Ft. In. Fs. Ft. I Brought forward 2 1 4 51 4
Oark grey metal	ŏ		10	_0	_	-	Whin 0 1 0
COAL, hard and	٠	-	10				Grey post and water 0 5 3
middling — Brock-							Whin 0 0 4
well Seam	0	4	1				Grey post 0 1 8
west Seam	_	-		7	1	3	White post, with water 1 0 8
Oark grey metal	1	0	0	•	_	•	Grey post 0 3 6
White post and water	ō	3	5				Dark grey metal and
rey metal stone	ŏ	2	4				post girdles 1 5 7
White post and water	ĭ	ĩ	9				COAL 0 0 4
rey post	i	ō	ĭ				7 1
White post and water	ō	5	8				Grey post and water 1 0 9
rey metal stone	ŏ	4	6				Dark grey metal 0 1 8
White post	ŏ	2	3				White post 0 3 10
Frey post, with water	ŏ	5	6				Grey post 0 3 5
rev metal, with post	•	·	U				Dark grey metal and
girdles	1	5	5				post girdles 3 1 6
31 1	ō		11				White post 0 1 2
	0	2	0				Whin 0 0 2
	0	õ	4				Grey post 0 5 2
COAL			<b>-</b>	9	4	2	Grey metal 1 3 6
Grev metal	0	2	8	0	-30	_	Dark grey metal stone 0 3 0
Grey post, with water	ŏ						Grey metal 1 3 6
T71 *	ŏ	0	4				Black stone 0 0 4
Dark grey metal, with	U	v	-10				Grey post, with metal
water	2	3	3				partings 0 5 9
Black stone, mixed	_	U	U				Strong dark grey metal 0 4 0
	0	0	7				Grey post, with metal
	1	- 1	4				partings 0 4 9
	ō		10				Dark grey metal 0 3 0
rey post rey metal thill		5			-		Strong post girdles 0 0 10
Frey post, with water	ő	3					Black stone, mixed
White post, with water	2	2					21 . 7
COAL	õ	1					Strong grey metal 0 2 9
30AL	·		0	9	9	11	Grey post 0 4 4
Inor nost	1	1	0	9	- 4	11	Strong dark grey me-
Grey post White post, with metal	1	1	U				
	1	. 0	4	*			tal 0 1 9 — 15 1
partings and water	T	. 0	4				
a	_	-					(D 4 1 P4 7
Carried forward	- 2	1	4	51	4	- 8	Total 74 1

#### No. 1,859.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat: 54° 44′ 43", Long. 1° 44′ 3".

Strata passed through in sinking the Josephine Pit, Stanley Colliery, a quarter of a mile West of Woolley Farm House. August, 1857.

Yellow clay Fs. Ft. In. Fs. Ft. In.  Blue clay 3 1 0	Brought forward 4 0 0  Dark brown metal 2 0 0  Post girdle 0 2 0	Ft. In.
Carried forward 4 0 0	Carried forward 6 2 0	,

## No. 1,859.—STANLEY.—CONTINUED.

Brought forward	6	2	0	Fs.	Ft.	In.	Brought forward 3 4 7 16 4
Black metal		1	0				Grey metal 0 3 6
COAL	0	0	3	6	3	3	COAL—Busty Seam 0 4 0
Blue metal, with post	-			U	9	J	Dark grey metal 0 4 0
girdles	3	2	0				White post 1 2 4
Ft. In.							Blue metal 1 1 7
COAL 0 3							COAL 0 1 4
hill 0 4							Blue metal 1 5 3
COAL 0 5	_	_					COAL 0 0 4
	0	1	0			0	Grey thill 0 4 0
n 4 . 1	_		<u>, , , , , , , , , , , , , , , , , , , </u>	3	3	0	Grey metal 0 4 10
Blue metal	0	3	0				Whin girdle 0 1 2 White post 0 1 7
Post girdles and metal		-38	4				0 0 0
Yard Seam— Ft. In. COAL 1 0							White post (1,500 gal-
Band 0 1							lons of water per
COAL 1 10							hour) 2 4 3
Band 0 9							Dark grey post 1 0 2
COAL 0 8							Black metal 0 0 8
-	0	4	4				
				1	5	8	Brockwell Seam—
Oark metal	0	5	1				Ft. In.
COAL (300 gallons							COAL 3 1
of water per hour)	0	0	6				Splint 0 5
				0	5	7	0 3 6
Chill stone	0	3	0				14 5
rey metal, with post		_					Sump:-
girdles COAL — Ballarat	3	0	3				Grey thill 0 2 1
α	0	1	10				White post 0 1 0
Seam	U	1	10	3	5	1	Grey metal 0 5 7 Grey metal and post 1 0 6
rey metal	1	2	3	9	J	1	
White and grey post		2					White post 0 2 0
(crib laid for wal-							Whin girdle 0 2 0
ling)	2	2	4				3 4

<sup>\*</sup> Approximate sea level  $492\frac{1}{2}$  feet below this.

#### No. 1,860.—STANLEY.

TOWNSHIP OF STANLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 17", Long. 1° 40′ 5".

Account of Strata sunk through in the 7th Pit, East Stanley Colliery, from the Surface to the Hutton Seam. Began July 8th, 1863.

Clay and shivery brown				Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 2 2 6
COAL, coarse, with bands	0	1	4 2 —	2	2	6	Tender shivery post 4 3 0  COAL, very Ft. In. coarse 1 0  Tender blue stone 0 4  COAL, coarse 1 0
Carried for							

## No. 1,860.—STANLEY.—CONTINUED.

							·
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward				7	1	10	Brought forward 1 3 1 55 4 7
Thill stone	0	3	0				Blue metal 0 0 2½
Tender blue stone,							White post 0 2 11
with iron balls	$^{2}$	0	0				Grey metal 1 3 5
Grey metal stone, with							Very strong white post 0 2 0
post girdles	5	0	0	0			Grey metal 0 1 2
Blue metal stone	2	2	ŏ				
COAL, very coarse	ō	$\bar{2}$	6				Control of the contro
OCAL, very coarse	U	_					
				10	1	6	Strong grey post 0 0 9
Grey metal stone	2	0	0				Grey metal stone, with
Very tender blue metal	ī	3	ŏ				ironstone balls 1 1 0
Grey metal	ō	3	ŏ		•		Blue metal 0 4 6
731 / 3	ĭ	ĭ	ő				Strong grey post 0 2 0
A A A I		1	0				Black stone, with post
COAL	0	1	U				girdles 1 0 4
				5	2	0	White post, mixed with
Thill stone	0	3	0				whin in places \(\) 16 0 0
	U	J	U				
Very strong grey me-	0		^				Maudlin Seam—
tal	8	2	0				Ft. In.
Very strong grey post	0	2	6				COAL 0 11
COAL — Shield Row	_		_				Strong grey
$Seam \dots \dots$	0	4	2				post 0 5
				9	5	8	COAL, coarse,
/D1 41-211 - 4	^			·	•	•	mixed with
Tender thill stone	0	4	6				
COAL	0	-					
Thill stone	0	0					Strong white
Grey metal	0	1	9				post, mixed
Strong post, with blue							with whin 2 0
partings and whin							COAL 1 3
stone	2	5	0				1 0 0
Grey metal	<b>2</b>	1	6				
COAL	0	0					
						-	Plack slate 0 0 11
				6	2	7	Black slate 0 0 11
Thill stone	0	3	0				Blue metal, with post
Grey metal, with iron-							girdles and mixed
stone balls	5	0	0				with whin 4 1 0
Very tender black	•	•	•				Blue metal 0 4 6
stone	0	3	0				•
COAL—5/4 Seam	ŏ	4	ŏ				Low Main Seam—
JONE SIX Seam	U	æ	U	6	4	0	Ft. In.
				U	4	U	COAL 3 0½
Thill stone	0	1	6				Black band $0  ext{ } 1\frac{1}{4}$
Very strong white post	0	2	2				COAL $1 \ 2\frac{3}{4}$
Grey metal Whin stone	1	5	0				
Whin stone	0	3	6				$ 0 4 4\frac{1}{2}$
Strong grey metal	2	3 1	10		1		5 4 9 <del>1</del>
Strong white post,							
with whin	0	3	0				Grey metal stone, with
Strong blue metal	2	5	3				post girdles 2 0 0
COAL - High Main	~	0	o				Whin stone 0 1 4
C	0	4	0				Blue metal 0 4 4
Seam	U	4	9	0	_	•	White post 0 1 6
			_	9	5	0	Blue metal, with post
Thill stone	0	2	8				girdles 0 3 10
	ŏ	$\overline{2}$	4				Strong white post 0 2 6
Blue metal		ĩ 1					Blue metal 0 4 0
White post		0 1					
Blue metal	ŏ		4			4	
XX71-*4	ŏ		_				
white post		1					
Carried forward	1	3	1 8	55 -	4	7	Carried forward 4 5 6 87 0 5
			_			٠.	

## No. 1,860.—STANLEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 4 5 6 87 0 5	Fs. Ft. In. Fs. Ft. In Brought forward 92 5 5
Hutton Seam-	Seggar clay 0 2 2
Ft. In.	Grey metal, with iron-
COAL, good 3 10	stone balls 1 2 2
COAL, coarse 0 6	<del></del> 1 4 4
Black slate 1 2	
0 5 6	
5 5 0	
Comind forward OP 7 5	(D + 1)
Carried forward 92 5 5	Total *94 3 9

<sup>\*</sup> Approximate sea level 102 feet below this.

## No. 1,861.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat.

, Long.

Account of the Boring in Mr. Errington's South Hird Hill Field, on the Stannington Estate. January 24th, 1839.

Soil	Fs.	Ft.	In. 9	Fs.	Ft.	In.	Fs. Ft. In. Fs. F Brought forward 23		n.
Strong brown clay	ĭ	_	ő				Grey metal and post	-	-
Loamy clay, mixed	_		·				girdles 2 0 6		
with sand	1	3	9				COAL 0 1 4		
Rough strong gravel	1		ō			,	2	1 1	.c
Strong brown stony							Grey metal stone and		
gravelly clay	4	1	6				post girdles 1 1 7		
Sand	0	0	11				White post, with water 2 0 4		
Brown stony clay	3	2					COAL 0 1 1		
Rambly post	0	4	0				•	3 (	0
strong brown post	3	4	2				Grey metal 1 2 0		
Dark blue metal		2	6				COAL 0 1 2		
Grey post		0	8					3	2
Dark metal	0	1	0				Grey metal $\dots$ 0 5 0		
Frey metal stone	1	2	6				Dark blue metal 0 3 2		
strong white post,	_	_					COAL 006		_
with rusty partings	1	2	0				1	5 7	8
Fullety brown post			0				Grey metal stone and		
OAL	0	0	6				post girdles 1 4 1		
				23	2	4	COAL 0 0 7		
							1	F :	8
Carried for		a		23	2	4	Carried forward 33	5	8
Carried for	war	u		40	4	-	Carried 101 ward	-	_

## No. 1,861.—STANNINGTON.—CONTINUED.

Brought forward				Fs. 33		In. 8	Brought forward 5 3 3 44 5 5
Grey metal stone White post	9	5 3	9 <b>7</b>				COAL, foul 0 5 COAL 2 2
COAL 1 6 Grey metal 0 6 COAL 0 5							0 2 7 5 5 10
	0	2	5	10	5	9	Grey metal 0 2 0 Grey metal stone and iron girdles 2 3 3
Grey metal White post		$\frac{1}{3}$	$\frac{8}{6}$				Strong white post, with water 0 4 0 Grey post 1 0 6
Grey metal stone and post girdles Grey metal	3	4 5	5 8				Grey metal stone 1 0 0 COAL 0 0 6
•							Grey metal 5 4 3 0 0 4
Carried forward	5	3	3	44	5	5	Total <u>56 3 10</u>

## No. 1,862.—STANNINGTON.

#### TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Section of Borehole at Briery Hill, near Stannington. December 10th, 1872.

a. 11	Fs.	Ft.	In. Fs.	. Ft. In	ı.	Fs. Ft. In. Fs. Ft. In.
Soil	U	T	U		- 1	Brought forward 7 2 5
Clay, with boulder						Hard white post 0 3 5
stones	1-	3	1	-		Brown post 0 0 5
Gravel (freestone)	0	1	0		- 1	COAL 0 1 9
Shivery brown post	0	1	14			8 2 0
Gravel (freestone)	0	2	8			Good seggar 0 1 6
Whinstone gravel	0	1	$0\frac{1}{4}$			Posty seggar $0.59\frac{3}{4}$
Blue clay, with very			•			Grey metal and post
small scares	2	2	$1\frac{1}{3}$		1	girdles 0 3 103
Hard freestone post			2			COAL 0 0 6
Brown post and metal					- 1	1 5 81
girdles	0	2	4		- 1	2
Brown post	1	1	ō			Good seggar 0 0 8
Hard white post	ō	2	21			Seggar, with ironstone
		~	01		1	balls $0 2 3\frac{3}{4}$
Brown post	0	0	$8\frac{1}{2}$		ľ	Brown post $0 2 9\frac{3}{4}$
			_			
Carried forward	7	2	5		- 1	Carried forward $\begin{pmatrix} 6 & 5 & 9\frac{1}{3} & 10 & 1 & 8\frac{1}{3} \end{pmatrix}$
	-				,	2

#### No. 1,862.—STANNINGTON.—CONTINUED.

Brought forward		Ft. In. Fs. Ft. In. 5 9\frac{1}{2} 10 1 8\frac{1}{2}	Fs. Ft. In. Fs. Ft. In. Brought forward 18 4 2½ 10 1 8½
Yellow freestone		$\frac{5}{4}$	Mild white post $3$ 2 1 6
Freestone post, with	-	1 04	Mild white post, with
coal pipes	0	5 11	scares of coal 0 3 2
Hard freestone post	1	$\begin{array}{ccc} 5 & 1\frac{1}{4} \\ 4 & 0\frac{3}{4} \end{array}$	Grey post, mixed with
Brown metal and post		¥ 04	1 3.6
	0	2 03	White post and coal
731	0	$0   9\frac{1}{3}$	
	U	$0$ $0_{\overline{2}}$	pipes 0 2 0   Blue metal 0 2 6
Grey metal and scares	Λ	9 61	Blue metal 0 2 6
of post	0	$\frac{2}{9}$ $\frac{6\frac{1}{4}}{9}$	Grey metal 0 1 0
Post bands	0	$\begin{array}{cccc} 2 & 6\frac{1}{4} \\ 2 & 2\frac{3}{4} \\ 1 & 9\frac{1}{2} \\ 1 & 0\frac{1}{2} \\ 4 & 9 \end{array}$	Dark blue metal 0 1 1
Brown post girdles	0	$\frac{1}{1}$ $\frac{9\frac{1}{2}}{1}$	Ft. In.
Grey metal	ū	$\frac{1}{1}$ $\frac{0\frac{1}{2}}{0}$	COAL 0 6
Hard brown post	9	4 9	Band 0 1
Sand bed		0 8	COAL, tender
Mild brown post	0	$3 \ 10\frac{1}{4}$	and brassy 0 11
Blue metal and post			Band $0  1\frac{1}{4}$
band	0	2 0	COAL 2 11
White post		$1  6\frac{1}{4}$	
Yellow freestone post			$ 0 4 6\frac{1}{4}$
Grey post		3 11	$24 \ 0 \ 1\frac{3}{4}$
Mild brown post	1	1 5	
Grey post and coal			Into thill stone 0 2 0
pipes	0	1 3	
Carried forward	18	$4  2\frac{1}{2}  10  1  8\frac{1}{2}$	Total 34 3 10 <sup>1</sup>
		2 2	37 374

## No. 1,863.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

A Borehole in Stella Grand Lease Colliery, near Marshall's, at the bottom of a Pit called the Ash Tree Pit, wrought in the High Main Coal. February, 1692.

Strong grey	v thill			Ft.		Fs.	Ft.	In.	Broug	ht for	rwar		Ft.	In.	Fs. 14	Ft.	In.
				0	0 6				Metal			0	0	4			
Blue metal			ō	1	6				COAL			6					
White post	•••	•••	<b>5</b>	$\frac{5}{3}$	3 6				Metal COAL		$\frac{0}{3}$						
						14	1	3				- 1	0	0	1	0	4
									Grey thill						0	0	9
	Carried	forv	war	d		14	1	3		Tot	al .			_	15	2	4

## No. 1,864.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Borehole in Stella, about 90 yards South-east of and in the same pasture as the First Hole, at the foot of Boggle Hole. January 2nd, 1783.

Approximate surface level feet above sea (Ordnance datum).

																			_
Qı 1						In.	Fs.	Ft.	In.	1	D	1. 4. Č		Fs.	Ft.				
Strong clay				2	3	0				- [	Broug			_	_		10	1	. 1
Sand and wa	ater			1	0	0					Grey thill			0	0				
Stony clay a	nd s	and	l	3	4	6					Grey stone	post		5	0 0 2	0			
Grey stone				0	3	0					Grey stone	•		1	0	0			
COAL				_	Õ	10					Grey and w			1	2	2			
OOKL	•••		• • • •	U	U	10	77	5	4		Waste and			-	_				
m				_			-	Ð	4	-		ranen		-	_	_			
Thill	• • •		• • •	0	0	6					bish	• • •	•••	1	2	0			
Grey stone	• •			0		0											8	4	11
Black stone				0	3	0				-1	Grev thill			0	1	0		٠	
Grey stone,	with	ı n	ost.								Grey stone,	with	nost						
girdle		- P		0	4	2					girdle			2	5	0			
gnaie	• • •	_		U	-30					1		• • •			0	8			
0041			In.							1	COAL	•••	• • •	0	U	0	_		
COAL	• • •	1	9														3	0	8
Grey metal		0	1								Grey thill			0	0	6			
COAL		0	10								Grey post g	irdle		3	0	0			
Grey metal		0	1								Left off in			0	4				
COAL		ň	4							1	23010 011 111	********	Pose				3	1	6
OOAL	•••	U	-30	^	0	-				1							9	**	U
				0	3	1	_	_	_	1									
				_		_	2	1	9										
																		_	_
	Car	rie	l fo	rwa	rd		10	1	1			Tota	1				25	5	2
															•••	=	=		

#### No. 1,865.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Boring in East Working of the Oak Tree Pit, near the Gateway in Mr. Longridge's Ground, Stella Grand Lease. December 3rd, 1785.

In grey metal stone    Fs. Ft. In. Fs. Ft. In. COAL    0 5 0   0 1 2	Brought forward White metal stone 1 0 0 Brown and white post 5 1 1 COAL 0 2 9	Fs. 1	Ft. In 0	2
Carried forward 1 0 2	Carried forward	7	4	0

# No. 1,865.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward Soft grey metal stone Black stone Post girdle	0 0 0	1 2 1	6 6 4	Fs. 7	Ft. 4	0	Brought forward 1 1 4 7 4 0 Whin 0 0 8 Metal stone 2 2 0 COAL 0 3 0
Grey metal stone  Carried forward	_		_	7	4	0	Total 11 5 0

## No. 1,866.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  57' 9'', Long.  $1^{\circ}$  47' 1''.

Strata sunk through in the New Winning or A Pit, Stella Grand Lease Colliery, in Heath Field. October 7th, 1795.

Outset	Fs.	Ft.	In. Fs.	Ft.	In.	Propert forward	Fs.	Ft.	In.	Fs. 21		
Bluish clay, with bro-			U	4	U	Brought forward	0	1	6	41.	4	9
ken post	2	1	4			0 1	1	_	0			
Platy brownish post	1		6			COAL	ō		4			
Whin		1	8			Blue metal stone	0	4	2			
Brown post		î	6			COAL, mixed with	U	-30	2			
White post	~	î	ŏ			blue stone—Cannel						
Blue cash parting		î	ŏ			Coal	0	3	6			
Post girdles		î	ŏ				·		U	_	_	_
Blue metal 3	ŏ	ī	6							2	3	6
COAL—Grand Lease	•	-	0			Blue metal stone	0	1	6			
Main Coal	1	0	0			COAL—5/4 Seam	ő		8			
111			<del>-</del> 10	4	6	COAL—5/4 Seam	U	o	O			
Thill	0	3	0	-	Ü		_			0	5	2
Grey post	ŏ	4	Õ			m.:11	0	-	0			
Blue metal stone and	•	_				Thill	U	1	0			
whin girdles	5	2	0			Blue metal stone and						
Cash parting	Õ	ī	Ö			some thick coal	Λ	1	4			
Blue metal stone, with		_				pipes	U	1	49			
girdles	0	3	6			Black metal stone, with coal	0	1	9			
Brown post, with coal							U	1	Э			
pipes	2	5	41			Blue metal stone, with catheads	0	2	5			
Crow Coal-			2				0	ő	7			
COAL, top, Ft. In.						COAL	U	U	•			
good 1 4										1	1	9
Band 0 4						j				_		
COAL 0 2						Thill	0	0	5			
Band, mixed						Blue metal stone, with						
with coal 0 5	7					catheads	0	3	1			
COAL, bot-						Grey scamy post, with						
tom, tender 0 6						whin	3	1	0			
	0	2	$10\frac{1}{2}$									
*			10	3	9							
			_		_		_		_			
Carried fo	rwa	ırd	21	4	3	Carried forward	3	4	ti	26	2	8

# No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward	Fs. 3	4	6	26	2	8	Brought forward Fs. Ft. In. Fs. Ft. 1 40 2
Ruler Coal— Ft. In.							Thill 0 2 8 Grey stone 0 4 9
COAL 0 6 Black band 0 2							Blue metal stone, with
COAL 1 2							catheads 0 3 11
	0	1	10				COAL, very coarse 0 0 10
	U		10	1	0	4	2 0
				70	U	7	Black stone, scared
Chill	0	0	9				with coal 0 0 6
Blue metal stone, with	·	·	•				Thill 0 0 10
catheads	0	5	0				Thill 0 0 10 Scamy grey post 0 4 0
Very scamy white	_	_					Brown post, with whin 0 2 4 Dun whin 0 1 1
post Parting	0	1	4				Dun whin 0 1 1 Strong brown post,
Yhite post, very scamy		0					with a parting 0 1 0
Parting		ō	1				Brown post, with whin,
rey post		0					very hard 0 0 8
anding	0	0	3				Grey metal stone 0 1 6
Brown post, with wa-	_	_					Brown post girdles and a parting 0 2 1
ter at bottom	0	U	11				Blue metal stone and
Blackish metal stone, with water	0	0	4				some catheads 1 0 3
Scamy white post	ŏ	ĭ	ĩ				Barlow Field Coal
Blackish metal stone	0	0	4				Seam— Ft. In.
Brown post girdle,							COAL, splint 0 10
with water	0	0	6				Band 0 1
Brown post, with more water (wedged it off)	0	2	6				COAL, tender 1 8
Brown post, with whin	ő	5	6				Band 0 1 COAL 0 5
Brown post, very close	·	Ū	Ů				
and hard	0	3	0				0 3 1
Parting, with water	_	_					3 5
(wedged off)	0	0	1				Thill 0 0 10
Frey scamy post Parting	0	3	$\frac{3}{1}$				Blue metal stone ° 0 5 11
Frey scamy post, with	·	٠	-				COAL 0 0 9
strong brown girdles	0	1	8				Thill 0 0 7
Scamy parting and		_	_				Blue metal stone, with catheads 0 4 10
water (wedged off)	0	0	6				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Frey scamy post and strong girdles	0	5	7				Thill 0 1 4
strong girdles Scamy white post,	U	U	•				Brown post 0 0 8 Grey post 0 5 10
with water (wedged							Grey post 0 5 10
off)	0	0	9				White post, dun at
Brown post Parting		3					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	0	0	1				Parting 0 0 2 White post, with whin
Brown post, extremely hard	0	5	2				at top 3 1 2
Frey post, very full of	Ü	Ü	-				Black stone, with par-
coal pipes and black							ticles of post 0 0 3
scares	0	1	9				Tilly_Coal— Ft. In.
Black metal, scared	1	A	А				COAL 1 0
with $coal$ Fhill	$\frac{1}{0}$	4 2					Splint 0 3 COAL 0 11
COAL	ő	õ					
			_	9	5	0	0 2 2
				U	0	5	<del> 7</del> 3

# No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

·													
Brought forward	Fs.	Ft.	In.	Fs. 53	Ft.		Brought forward	Fs.	Ft.	In.		Fţ.	In.
Thill	0	2	10	00	7.	J	Brought forward	$^2$	5	4	63	5	5
Blue metal stone and	-						Blue metal stone, black at bottom	0	_	0			
catheads	0	1	10				at bottom	0	5	6			
White post girdles,	0						Three-Quarter Seam-						
with partings	0	$rac{2}{1}$	1 5				Ft. In						
Brown post Blue metal stone	0	0	5				COAL, top 1 6						
COAL — Hand Coal	ŏ	ŏ	2				Band $0   0\frac{1}{2}$ COAL, bot-						
				1	2	9	tom 0 11½						
mı. •11	Δ.	0		•	_	v	5 129						
Thill Blue metal stone, with	0	2	0					0	2	6			
catheads	0	2	0								4	1	4
Grey post, mixed with	•	_	•				White post	0	2	4			
whin	0	3	4				Brownish post	Õ	$\bar{2}$	3			
Blue metal stone	0	0	7				Whin	0	1	3			
Grey and white post		_	_				Grey post	0	<b>2</b>	6			
girdle and partings	1	5	5 0				Blue metal stone, with						
Grey post, with whin Blue metal stone	0	3	7				inch of splint at	ó	5	1			
C1 C 1	,	9	•				Thill	0	0	1 4			
Stone Coal— Ft. In. COAL, strong 0 2							Brown post	ŏ		10			
COAL, tender 0 6							Blue metal stone, with						
COAL, scary 1 $4\frac{1}{2}$							catheads	0		10			
COAL, tender $0  ext{ } 4\frac{1}{2}$							COAL	0	0	$\frac{2}{2}$			
	0	2	5				Thill Grey metal stone	0	0	5			
				5	1	4	White post, with whin	U	3	1			
TIL:11	0	9	Λ	U	_	-	clyers	4	0	10			
Thill Grey post, with whin	$0 \\ 1$	$\frac{3}{2}$	$\frac{0}{4}$				COAL	0	0				
Blue metal stone	ō	ī	6								8	. 1	7
Grey post, with whin	ō	$\tilde{2}$	4				***				Ü		•
Blue metal stone	0	2	1				Blue metal stone	0	0	10			
<b>COAL</b> —5/4 Seam	0	3	4				Brockwell Seam-						
				3	<b>2</b>	7	Ft. In.						
Thill	0	0	$0\frac{1}{2}$				COAL 0 1						
Brown post	ŏ	ĭ	$7\frac{2}{3}$				Black metal						
Grey post, with cat-			. 3				stone or jet 0 3						
heads	0	1	8				COAL 2 11						
Grey post girdles,	0	,	0					0	3	3			
with black scares	0	$\frac{1}{2}$	$\frac{0}{3}$				-			_	0	4	1
Blue grey metal stone	0	1	3				Grey post girdles	0	0	5			
Dun post	0 -	1	9				COAL	ŏ	ŏ	3			
Cash parting	ŏ	ō	6				Left off in dun post	0	<b>2</b>	4			
Dun post	0	1	3								0	3	0
Black metal stone	0	0	2								•		•
COAL	0	0	3										
Thill, top mixed with	0	7	9										
Dun whin girdle	0	$\frac{1}{0}$	3 5										
Black metal stone	ő	2	7										
Blue metal stone	ŏ	õ	-										
Whin girdle	0	0	6										
			_			_							
Carried forward	2	5	4	63	5	5	Total			*	77	3	5
						-	-			_			_

<sup>\*</sup> Approximate sea level  $51\frac{1}{2}$  feet below this.

## No. 1,867.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  57' 18'', Long.  $1^{\circ}$  46' 36''.

Account of Strata sunk through at B Pit, Grand Lease Colliery. 1805.

Walling to bottom of	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 0 40 4
Grand Lease Main							Barlow Field or Towne-
Coal	10	<b>2</b>	6				ley Main Seam-
Strong white post	9	1	4				Ft. In.
Walling put up in at							COAL, splint 0 10
the $Five$ -Quarter	2	3	5				Black stone 0 23
Strong girdle and blue.							COAL 2 02
metal stone	0	3	5				Swad 0 13
COAL	0	0	11				0.707
				22	5	7	
Thill	0	1	10				2
Blue metal stone	0	5	4				
Grey post, mixed with							Thill 0 1 3
whin	0	5	3				Grey metal stone 1 1 9
Strong blue metal,	•	•					COAL 0 1 8
mixed with strong							1 4
girdles	3	1	9				Thill 0 1 2
COAL — Ruler Coal	ő	2	5				
COAL - Mater Coat				5	4	7	
Thill	0	Λ	10	•	-	•	1
	ŏ	2	8				
Blue metal stone	U		G				COAL Tilly Coal 0 2 0
Grey post, mixed with							5 4
whin and brown		^	^				Thill 0 1 4
post	2	0	0				
Strong blue metal,							COAL 0 2 1
mixed with strong	_	_	_				
girdles	0	0	2				0 3
Parting and brown	_						Grev metal stone 0 4 4
post	0	5	4				COAL 0 0 5
Parting, with water	0	0	<b>2</b>				0 4
Brown post	1	<b>2</b>	0				
Parting, with water	0	0	2				Grey metal stone 0 3 2
Brown post	0	3	0				Whin 0 3 3
Parting, with water	0	0	5				Blue stone 1 3 1
Brown post	1	3	3				0. 0.10
Black stone, water							Stone Coal Seam—
wedged	1	5	5				Ft. In.
Blue metal stone	0	1	3				Black jet 0 6
COAL	0	0	7				COAL 2 6
				9	1	3	0 3 0
α				_	_	-	3 0
Grey post	0	5	9				
Grey post, mixed with							Thill 0 2 10
whin	1	4					Blue metal stone, with
COAL	0	0	11	_	,		post girdles 2 1 0
				2	4	11	COAL-5/4 Seam 0 3 5
Blue stone, mixed with	_		_				3 1 3
girdles	3	4	0				
				_			Total *60 1 3
							Total *60 1 3

<sup>\*</sup> Approximate sea level  $108\frac{3}{4}$  feet below this.

## No. 1,868.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57′ 53″, Long. 1° 44′ 54″.

Account of Strata sunk through at Stargate New Winning Pit, Grand Lease Colliery, near Ryton. June 16th, 1803.

Outset from surface	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 23	Ft. 5	
Sand and gravel Sand and clay, with	2	Ô	ŏ				Thill Grey post, mixed with	0	2	3	20	U	44
water	3		0				black scares	1	2	6			
Strong clay Broken blue metal	1		5				Strong grey post and whin layers	0	3	5			
stone Main Coal Seam—	0	3	0				White post, mixed with whin girdles	0	2	2			
COAL, top 1 6							coal parting, with water wedged off, 240						
Band 0 2 COAL, good 5 11							gallons per hour Grey girdles	0		4 10			
	1	1	7	8	2	0	COAL, with a little						
Thill Grey post	${f 0}$	2 4	6		_		water	0	0	_	3	0	;
Parting	0	0	8				Thill Blue stone, with grey	0	1	7			
White post Chalk parting	1 0	_	0 11				girdles Blue stone, mixed with	2	4	4			
White post, mixed with water	1	1	8				pieces of round whin Blue stone, mixed with	0	3	0			
Blue stone Strong white post,	0	2	0				strong grey girdles	1	2	4			
mixed with blue scares	3	1	9				Ruler Coal— Ft. In. COAL 0 7						
Strong white post Strong blue stone	2	4	11 10				Band 0 2 COAL 1 1						
Strong grey post gir-								0	1	10	5	1	
Crow Coal Seam-	0	3	10				(A drift is driven in the Ruler Coal be-						
COAL 1 7							tween the pit and the staple for air.)						
Band 0 0.	4						Strong thill	1	1	0			
dle 0 7							Strong white post, mixed with whin	0	2	6			
tom, bad 0 7	0	2	9	1			Strong grey post, mixed with white		_				
Thill	0	0			3	$4\frac{1}{4}$	post Dun whin, taken for	2	1	0			
Five-Quarter Seam-							strong white post,	0	2	0			
COAL 0 7 Slaty band 0 4							with 20, 60-gal. tubs per hour	0	1	6			
COAL 0 10 Band and slate 0 3							Strong grey post Chalk parting, with	0	4	1			
COAL 1 10	1						30, 60-gal. tubs per	0	0	6			
Band 1 0 COAL 0 4							Strong white post	ő	2	2			
	_0				5	10	Dun whin, cut out for tubbing	0	2	6			
Carried fo	rwa	$\mathbf{rd}$		23	3 5	$2\frac{1}{4}$	Carried forward	5	5	3	32	0	6
											7.		

# No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

				•			
7) 1, 0 7			In.				Fs. Ft. In. Fs. Ft. In.
Brought forward	5	5	3 .	3Z	0	$0^{\frac{1}{4}}$	Brought forward 57 3 103 Thill 0 4 5
Blue stone, mixed with catheads, cut out for							Blue stone 0 4 5
tubbing, 20, 60-gal.							W1:
tubs per hour	1	1	7				Grey post 0 0 7
Strong grey post	ō	ī	6				Blue stone 0 1 10
Black stone, mixed							Whin 0 0 4
with catheads	<b>2</b>		11				Grey post, with blue
Strong grey post	0	1	<b>2</b>			9	stone 0 2 8
Blue metal stone	0	3	<b>2</b>				COAL—Hand Coal
COAL and black jet,							Seam 0 0 4
with water, wedged	0	^	0				2 0 10
off	0	0	9	10	3	4	Thill 0 1 3
Strong guar post				10	о	4	Blue stone 0 2 7
Strong grey post, mixed with whin	3	0	10				Thill 0 1 6
Dun whin	0	2	0				Blue stone 0 0 7
	ŏ	3	334				White post 0 0 6
Strong grey post	0	1	$2\frac{1}{4}$	_		*	Blue stone 0 0 4
COAL, with six 60-	Ü	•	-4				Whin 0 0 5
gal. tubs per hour,							Grey post 0 1 0
wedged off	0	0	9				White post 0 1 9
o .				4	2	1	Blue stone and hard girdles 0 1 0
Black jet, wedged off							White post 0 1 0
on account of water	0	0	5				Chalk parting 0 0 2
Thill	0	0					Whin 0 0 9
Blue metal stone	0	3	8				Blue stone 0 4 8
Black stone, mixed	^	0					Stone Coal, Five-
with strong girdles	0	3	0				Quarter, or Main
Whin girdles, wedged off	0	0	4				Coal Seam— Ft. In.
COAL, with 52 tubs	U	U	**				COAL 2 8
per hour wedged off	0	0	3				Thill 0 3
			_	1	2	6	COAL 0 5
Strong blue stone,							0 3 4
mixed with strong							<del> 3 2 10</del>
grey girdles	1	0	0				Thill 0 2 11
Strong blue stone,							Blue stone 1 0 3
mixed with whin	-		•				Whin 0 0 7
girdles Barlow Fell Coal,	1	2	0				Blue stone and whin
Barlow Fell Coal, or Towneley Main							girdles 0 5 8
Seam— Ft. In.							White post, mixed
COAL, top $0.8\frac{1}{2}$							with whin 0 1 8 Blue stone 0 4 6
Black band 0 2							COAL — Under 5/4
COAL, good 3 6							or 6/4 Seam 0 3 7
	0	4	$4\frac{1}{2}$				4 1 2
70 1 1				3	0	$4\frac{1}{2}$	Thill 0 2 4
Box and pipe	1	5	9				Blue stone and whin
Blue stone and hard			_				. 11
girdle	0	3	5				COAL 0 0 10
COAL (Hodge Seam), with a good feeder							0 5 8
of water	0	2	4				Thill 0 0 10
3# " WOOZ 111 111			<u>-</u>	2	5	6	Blue metal stone 0 0 8
Thill	0	0	7	_	J	9	Black stone 0 2 10
Chalk parting	0	ŏ	i				Grey post 0 0 8
White post	2	4	7				Blue stone and girdles 0 4 0
COAL (Tilly Seam),							COAL—3/4 Coal or
with a small feeder		-					Yard Seam 0 2 6 1 5 6
of water	0	2	4			_	Thill 0 1 1
				3	1	7	0 1 1
Carried for	varč	1	5	7	3 1	<u>03</u>	Carried forward 0 1 1 70 1 103
		•		•	<i>5</i> 1	J.	

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

Brought	forward	Fs O	. Ft.	. In.	Fs. 70	Ft.	In. $10\frac{3}{4}$	Fs. Ft. In. Fs. Ft. In Brought forward 73 2 23
Blue metal a							•	Thill 0 0 3
. 11			4	10				Strong white post,
Grey post .			1					mixed with whin 6 1 9
Blue stone .			1					Chalk parting 0 0 1
			0					Strong white post,
		0						mixed with whin 2 3 5
		0						COAL - Brockwell
		0						Seam 0 3 3
COAL .		0	0	3				9-2-9
					3	0	4	
			_				_	
C	arried for	rwai	rd		<b>7</b> 3	<b>2</b>	$2\frac{3}{4}$	Total $82 \ 4 \ 11\frac{3}{4}$

#### No. 1,869.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Bored through out of Stella Freehold Top (supposed Five-Quarter) Seam, after driving about 20 yards in clay, bearing from Shaft S. 13\dagger W. 1,450 links.

September 13th, 1839.

Approximate surface level feet above sea (Ordnance datum).

						rs. rc		rs. r	t. 111.	
Clay, with	arge g	ravelly	stones			 2 1	. 0			
Slaty blue r		•				 0   4	8			
Slaty black			• • •			 0 1	8			
Grey metal	and po	st gird	les			 $^2$ 1	10			
Dark blue r						 0 1	6			
Strong whit	te post	and pa	rtings	(no wa	ter)	 6 5	4			
COAL				`		 0 2	11			
							:	13	0 11	
Thill					• • •			0 (	0 7	
		7	otal			 		13	1 6	

## No. 1,870.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. . , Long.

Account of Hole bored 205 yards South from Towneley Pit, by Howden Pickering. October, 1822.

					Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel			 		4	$^{2}$	0			
Blue clay			 		7	0	0			
Blue stone			 		0	4	8			
COAL-Main	Coal Seam		 		1	1	4			
							_	13	<b>2</b>	0
								-		
	· - To	otal	 	• • •				13	2	0

## No. 1,871.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at the East End of Stella Foundry, at the lowest level. January 20th, 1827.

Approximate surface level

feet above sea (Ordnance datum).

			Fs.	Ft	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Gravel			0	4	5				Brought forward 10 1 2
COAL			0	3	1				Thill 0 1 6
						1	1	6	Blue stone 1 1 10
Sand			0	0	6				Grey post 0 1 2
Thill	•••		0	1	1				White post 0 3 4
White post			0	1					White post, mixed
Parting	• • •		0	0	8				with whin 1 1 4
White post	•••		0	3	7				Parting 0 0 1
Blue stone		•••	1	0	5				Strong white post 0 3 4 Grev post 2 1 8
White post			0	1	1				
COAL			0	1	0				Blue stone, with whin
						<b>2</b>	4	2	girdles 1 3 1   Black stone 0 5 0
Thill	• • •		0	1	6				
Blue stone	•••	• • •	2	0	0				Grey post 0 4 0
Grey post			0	1	0				Whin 0 0 11
Parting, wi	th wa	iter	0	0	1				Strong grey post 1 1 3
Blue stone	****		0	2	3				Blue stone and strong
Blue stone,	with v	vhin	_		_				girdles 2 0 9
girdles		•••	1	0	0				Left off in a strong
Parting, wi			0	0	1				whin 0 0 1
Blue stone,	with	post	_	_	_				12 5 4
girdles	•••	•••	1	5	7				
COAL	•••	• • •	0	3	0	_	_	_	
						6	1	6	
	Carrie	d for	war	d		10	1	2	Total 23 0 6

#### No. 1,872.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in Stella Freehold, East of the Gate Pit 500 yards, by the Waggonway side North of the Dyke. Begun December 11th, 1837.

Approximate surface level

feet above sea (Ordnance datum).

Soil 6 Fs. Ft. In. Fs. Ft. In. Gravelly clay 2 1 0	Brought forward 15 3 $4\frac{1}{2}$ Blue metal, with post
Sand, with water 0 3 0 Strong gravelly clay,	girdles 3 1 0
with layers of sand 12 3 $4\frac{1}{2}$	
Carried forward 15 3 4½	Carried forward 18 4 4½

# No. 1,872.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward			In. F	s. I	t. In.	Brough	t for	ward			In. Fs.		In. 9 <del>1</del>
COAL (January 3rd,			-			Grey post,	water	· left			-	-	-
1838), depth of sta-						the hole			5	4	$9\frac{1}{2}$		
ple 4 ft. 6 in	0	3	6			Grey whin			0	0	9		
<b>P</b> 2-				9 :	$1.10\frac{1}{5}$	Grey post			0	1	11		
Bored from here :-					-	Grey metal	and	post					
Dark blue metal	2	4	11			girdles			0	5	1		
COAL						COAL			0	3	7		
Dark band			$2\frac{1}{3}$								- 11	3	2
COAL and black			-			Correct 41:11			0				_
stone	0	0	81			Grey thill	• • •	•••	0	4			
200			-	3	0 11	Grey metal		• • •	^				
Mill stone	. •	2		U	0 11	Blue metal	• • •	• • •		3			
	^		7			COAL	• • •	• • •			1		
Grey post	U	46	•			Thill	• • •	• • •	0	1	9		
Grey and blue metal,	9	4	5 <del>1</del>								2	5	11
with post girdles	_	4	32										2
	_			_			_				_		
Carried forward	3	5	$0\frac{1}{2}$	22	$29\frac{1}{2}$	1	Tot	tal		• • •	_36	5	1

## No. 1,873.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Strata sunk through in Stella Township, North Ryton. Finished April 21st, 1838.

Sand and gravel Fs. Ft. In. Fs. Ft. In. 1 2 0	Fs. Ft. In. Fs. Ft. I Brought forward 20 1 6	n.
Strong gravelly clay,	Grey thill 0 2 0	-
with tumbling	Black stone 0 3 4	
stones and sand 13 2 0	Grey post 0 3 8	
Blue stone, with post	COAL 0 1 5	_
girdles 3 0 0		5
Ft. In.	Band 0 0 3	
COAL 0 6	COAL 005	_
Band $0  0\frac{1}{2}$	0 0	8
<b>COAL</b> $0 \ 2\frac{1}{2}$	Grey thill 0 3 0	
Band $0  0\frac{1}{4}$	Grey metal 2 3 5	
COAL, good 2 91	White post 6 3 3	
$$ 0 3 $6\frac{1}{2}$	COAL 0 3 0	
$\frac{}{}$ 18 1 $\frac{61}{2}$	10 0	8
Grey thill 0 5 0	Grey thill 0 3 0	
Blue stone 1 0 0	Grey metal post 1 3 0	
Black stone 0 0 7	COAL 0 1 0	
COAL 0 0 5	<u>0 1 0</u> 2 1	0
2 0 0		-
		_
Carried forward 20 1 $6\frac{1}{2}$	Total 34 2 3	$3\frac{1}{5}$
2021104 20211014		

#### No. 1,874.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57′ 50″, Long. 1° 44′ 20″.

Boring Account at Stella Freehold or Bog Pit. Finished boring August 8th, 1840.

Approximate surface level 202 feet above sea (Ordnance datum).

			Fs.	Ft	In.	Fs.	Ft.	In.		Fs. Ft. In. Fs. Ft. In.
Mild grey p	ost		0	1	9					Brought forward 13 1 1
Blue stone			0	2	0					Clay 0 0 6
White post			1	3	4					Blue stone and post
Mild partin			0	0	4					girdles $0.55\frac{1}{2}$
White post			1	1	9					—— 0 511 <del>1</del>
Parting			0	0	<b>2</b>				-	Resumed boring, June
White post			0	5	2					22nd, 1840:—
Parting			0	0	2					Blue metal, with grey
White post			0	3	6					post girdles 1 1 10
Blue stone			0	2	0					CÓAL 0 0 6
Grey post			0	2 3 5	2					Thill 0 0 10
White post			0		3					Grey post 0 3 0
Parting	••		0	0	2					Blue metal 0 2 8
White post			1	3	0					White post, with part-
Parting			0	0	2					ings 1 1 8
White post			1	2	10				ı	COĂL 0 1 1
Blue stone			0	<b>2</b>	0				-	Thill 0 1 0
Black stone	, with	coal								Blue metal, with post
pipes	•••		0	<b>2</b>	<b>2</b>					girdles and blue
COAL			0	1	6					stone 1 0 11
						10	4	5	- 1	White post 1 1 2
Clay	• • •	•••	0	3	0					Blue metal 0 0 9
Grey post	•••		0	3	8					Strong white post 1 0 7
Blue stone		•••	1	<b>2</b>	0				- 1	Strong white post,
COAL	•••		0	0	2					with partings 0 3 3
						2	2	10	1	8 1 3
	Carri	ed fo	rwa	rd		13	1	1		Total *22 2 3

<sup>\*</sup> Approximate sea level 673 feet below this.

### No. 1,875.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat.  $54^{\circ}$  58' 11'', Long.  $1^{\circ}$  46' 30''.

Strata sunk through in the Emma Pit, Towneley Colliery. Commenced March 17th, 1845.

Soil Clay, gravel, and sand Yellow and white free-	0	1		Broug Soft black Yellow and	stone		4	2.	4	Fs. F	řt. In.	
stone	1	3	10				4	2	3			
Carried forward	4	2	4	Carrie	l forwa	rd	9	1	0			

# No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward		. Ft. I	n. Fs	. F	t. In.	Brought forward 1 0 7 36 3 7
COAL-Grand Lease		_	•			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Main Coal (old waste	Ī					Grey metal, with post
crept close; cut into						girdles and 60 galls.
seam March 28th,						of water per minute 0 3 3
1845)	1	1	0			Grey post girdle 0 0 4
			10	) 5	2 0	Grey metal, with water 0 1 8
Grey metal	1	0	0 ~	•	• •	White post, with water 0 4 2
Dark grey post and	~	·	•			Grey whin 0 2 4
blue metal	3	0	0			White post, with water 0 5 0
Grey post and blue	Ŭ	Ŭ	•			Characteristics 0 1 0
metal stone	2	0	0			White ment
Grey metal, with post	_	·	•			Grey metal 0 1 8
girdles	0	3	7			Grey metal 0 3 3½
White post, with metal	·	•	•			Grey post girdles, with
partings	0	3	7			0.00
White post, with metal	·	o	•			
partings	0	3 1	0			Dina stans
COAL - Crow Coal	v	0 1	•			Band of ironstone 0 3 2
Seam	0	2	0			Grey metal, with
	_		- 8	1	. 0	1 2 6 6
Seggar clay	0	2	0 0	_	. 0	COM
Grey metal and post	·		0			Carrier 1
girdles	0	2 (	0			COM
Grey metal and post	·	_ `				
girdles	0	0 10	)			Grey metal $\frac{}{}$ $\frac{7}{1}$ $\frac{5}{2}$ $\frac{0\frac{1}{2}}{}$
Blue metal	Õ	1 4				1 70 7
Grey metal, with iron-	U	•	E.			( 0 0 9
stone girdles	1	1 6	3			GICV Incoal
Blue metal	ō	4				COAL
Grey metal, with iron-	U	1 1				5 5 25
stone balls and gir-						Post six 11 2 3 10
dles	6	2 6	31			Post girdles 0 0 5
	U	2 (	2			COAL 0 0 2
Five-Quarter Seam—						0 0 7
COAL Ft. In.						Grey metal post $0  ext{ } 1  ext{ } 7\frac{1}{2}$
						Post girdle 0 0 4
Black stone						Grey metal 0 5 6
band 2 4 COAL 2 11						White post 0 2 3½
						Blue parting 0 1 0
Black stone						Post 0 0 7½
band 0 11						Blue stone $0  0  3\frac{7}{2}$
COAL 0 5		1 0				Post 0 2 11
	1	1 (		_	~ ,	Blue parting $0  0  4\frac{1}{4}$
TPL:11			10	3	$3\frac{1}{2}$	Post 1 4 8
Thill	0	1 11				Blue stone $0 2 1\frac{3}{4}$
White post, with metal	_					Towneley Seam—
partings and water	0	5 9				Ft. In.
Grey metal	0	1 5				COAL, splint $0.9\frac{1}{2}$
OOAL	0	0 8				Band $0   2\frac{1}{2}$
Grov motal	-	0 -		3	9	COAL 3 3
Grey metal	1	2 7				0 4 3
Grey post, with water	2	0 4				5 2 0
Grey metal	2	0 6				Seggar clay 0 2 0
Ruler Seam— Ft. In.						Grey post 0 3 4
COAL 0 11						Blue metal 0 1 4
Band $0 \frac{11}{2}$						COAL—Hodge Coal 0 1 10
COAL 1 $1\frac{1}{2}$						1 2 6
	0	2 2			. 1	Grey metal, with post
Norman al			5	5	7	girdles 1 4 0
Seggar clay	0	1 4				White post 3 3 0
Grey metal	0	5 3				Blue stone 1 5 0
Comical	_		-			
Carried forward	1	0 7	36	3	71	Carried forward 7 0 0 53 5 7
					-	

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 53 5 7   7 0 0 0 1 3   2 0 0 0 0		T'a	TV4	Tn	E-	E4	Tn	Fs. Ft. In. Fs. Ft. In.
White post 0 0 10 Blue stone 0 0 1 3½ COAL — Hand Coal 0 0 2½ 7 2 4  Blue stone 0 0 1 8 8	Brought forward							Brought forward 3 5 7 67 5 6
Blue stone       0					-	•	•	
COAL — Hand Coal   0   0   2½           Blue stone         0   2   10           White post         0   1   8           Brown whin         1   0   9           White post         0   1   6           Blue stone         0   3   0           Stone Coal Seam—         6   1   11           COAL   2   1         8           Band   0   2         0   2   6           COAL   0   3         0   3   8           White post   0   0   0   0         0   2   6           White post   0   0   0         0   1   0           Blue stone   0   0   3   8         8           White post   0   0   0         0   1   0           Brown whin   0   0   4   7         9           Post girdles   0   0   0         0   0   0           Five-Quarter Seam—         Ft. In.           COAL, good 2   3         COAL, good 2   2   3           COAL, good 2   3         COAL, good 2   2   3           COAL, good 2   3         COAL, good 2   2   3           COAL, good 2   3         Thill   0   0   0           COAL, good 2   2   0         0   0   0           Ft. In.         COAL   0   1           COAL, good 2   0   0         0   0   0           Grey metal   0   0   0         0   0   0		-			L			
Blue stone								
Blue stone	COAL — Hana Coal	U	U	43		9	1	
White post 0 1 8 Brown whin 1 0 9 White post 0 1 6 Blue stone 0 3 0 Stone Coal Seam—  COAL 2 1 Band 0 2 COAL 0 3 Blue stone 0 3 8 White post 1 1 9 Brown whin 1 0 9  White post 0 1 0 6 Blue stone 0 3 8 White post 1 1 9 Brown whin 0 4 7 Post girdles 0 0 1 6 Band 0 1 COAL, top. 0 6 Band 0 1 COAL, coarse 0 5	701	_	-	10	7	Z	4	
Brown whin		-						
White post 0 1 6 Blue stone 0 3 0  Stone Coal Seam—  Ft. In.  COAL 2 1 Band 0 2 COAL 0 3  Blue stone 0 3 8 White post 1 1 0 2 Grey metal 0 1 6 Grey post 1 1 0 2 Grey metal 0 1 1 8 Grey metal 0 1 6 Grey metal 0 1 8 Grey metal 0 1 1 8 White post 0 1 0 3 White post 0 1 0 Blue stone 0 1 1 0 Grey metal 0 0 0 5 COAL 0 1 Blue deam 0 1 Blue deam 0 1 Blue deam 0 2 6 Grey metal 0 2 6 Grey metal 0 0 2 6 Grey metal 0 0 2 6 Grey metal 0 0 1 Blue deam 0 1 Blue deam 0 1 Blue deam 0 2 2 6 Grey metal 0 0 2 6 Grey metal 0 0 1 Blue metal 0 0 2 6 Grey metal 0 0 2 6 Grey metal 0 0 1 1 Blue metal 0 0 2 6 Grey metal 0 0 1 1 Blue metal 0 0 2 6 Grey metal 0 0 0 7 Blue deam 0 1 1 1 Blue metal 0 0 2 6 White post 0 1 1 1 Blue metal 0 0 0 2 White post 0 1 1 1 Blue metal 0 0 0 4 White post 0 1 1 Blue metal 0 0 0 4 White post 0 1 1 Blue metal 0 0 0 4 White post 0 1 1 Blue metal 0 0 0 4 White post 0 1 1 Blue metal 0 0 0 4 White post 0 1 1 Blue metal 0 0 0 6 Grey metal 0 0 0 5 Grey metal 0 0 0 5 Grey metal 0 0 0 5 Blue deam 0 0 1 6 Grey metal 0 0 0 8 Brockwell Seam  Ft. In. COAL 0 1 Blue deam 0 1 1 Band 0 4 COAL 0 1 Blue deam 0 1 1 Band 0 4 COAL 0 1 Blue deam 0 1 Blue deam 0 1 1 Band 0 4 COAL 0 1 Blue deam 0 1 1 Blue deam 0 1 Blue deam 0 1 1 B		_						1
Blue stone     0   3   0   0   8		_						
Stone Coal Seam—  Ft. In.   COAL   2 1   Band   0 2   COAL   0 3   Blue stone   0 3 8   Blue stone   0 4 7   Post girdles   0 0 1 6   Band   0 0 1   Band	White post			-				
COAL	Blue stone	0	3	0				
COAL	Stone Coal Seam-							
COAL   2 1   Band   0 2   0 2 6   0 3 8   0 3								Grey post 1 0 2
Band 0 2 2								
COAL     0   3   3   3   3   3   8   Blue stone       0   3   8   White post       0   0   3   White post     0   0   3   White post     0   0   3   White post     0   0   3   White post     0   0   1   3   Blue metal     0   0   0   4   White post     0   0   0   4   White post     0   0   0   8   Brockwell Seam   Ft. In.   COAL     0   1   Band     0   1   Band     0   1   Band     0   1   Band     0   2   5   COAL     0   0   6   COAL     0   0   6   COAL     0   0   6   COAL       0   0   6								
Blue stone   0 2 6   3 0 3     Blue metal     0 0 0 3     White post     0 1 1 3   Blue metal     0 0 0 4   White post     0 0 0 8   Brockwell Seam   Ft. In.   COAL, top   0 6   Band     0 1   Band     0 0 4   COAL, good   2 2½   Splint     0 0 2 6   Grey metal     0 0 0 2   White post     0 0 1 1   Blue metal     0 0 0 2   White post     0 0 0 1 1   Blue metal     0 0 0 2   White post     0 0 0 1 1   Blue metal     0 0 0 2   White post     0 0 0 4   White post     0 0 0 8   White post	COAL 0 3							White most
Blue stone 0 3 8 8 White post 0 1 3 Blue metal 0 0 4 White post 0 0 4 White post 0 0 0 8 Brown whin 0 4 4 7 Post girdles 0 1 6 Five-Quarter Seam—    Ft. In.   COAL, top 0 6   Band 0 1   COAL, good 2 3   COAL, coarse 0 5   COAL, good 2 3   COAL, coarse 0 5   COAL, good 2 2½   Splint 0 6   COAL 0 1   Band 0 4   COAL, good 2 2½   Splint 0 6   COAL 0 1   O 2 6   Grey metal 0 2 0   COAL 0 0 0 6   Grey metal 0 2 0   COAL 0 0 1 1   Blue metal 0 0 2 5   White post 0 1 1   Blue metal 0 0 0 2 5   White post 0 1 1   Blue metal 0 0 0 2 6   Grey metal 0 0 0 2 6   Grey metal 0 0 0 4   White post 0 1 1   Blue metal 0 0 0 4   White post 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   White post 1 2 0   To Coal 0 0 0 8   To Coal 0 0		0	2	6				D1
Blue stone     0   3   8   White post     1   1   9   Brown whin   0   4   7   7   Post girdles     0   0   7   8   Blue stones     0   0   1   6   Five-Quarter Seam   Ft. In.   COAL, top   0   6   Band     0   1   COAL, good   2   3   Splint     0   0   6   Grey metal     0   0   2   5   5   6   Grey metal     0   0   2   5   6   Grey metal     0   0   0   6   Grey post     0   1   1   1   1   1   1   1   1   1					3	0	3	W71.14
White post 1 1 9 Brown whin 0 4 7 Post girdles 0 0 7 Blue stones 0 1 6 Five-Quarter Seam—  Ft. In.  COAL, top 0 6 Band 0 1 COAL, good 2 3 COAL, coarse 0 5	Blue stone	0	3	8				D1
Brown whin 0 4 7   Post girdles 0 0 0 7   Blue stones 0 1 6   Ft. In.								
Post girdles 0 0 7 Blue stones 0 1 6 Five-Quarter Seam  Ft. In.  COAL, top 0 6 Band 0 1 COAL, good 2 3 COAL, coarse 0 5		_						
Blue stones 0 1 6  Five-Quarter Seam—  Ft. In.  COAL, top 0 6  Band 0 1  COAL, good 2 3  COAL, good 2 2 2½  Splint 0 6  Grey metal 0 2 6  Grey metal 0 0 1 0  Grey post, with whin 2 1 7  Blue stone 0 1 1 0  Grey post, with whin 2 1 7  Blue stone 0 1 10  Grey post 0 1 2 0  Grey post 0 0 0 8  White post 1 2 0  Grey post 1 2 0		-	_					
Five-Quarter Seam—  Ft. In.  COAL, top 0 6 Band 0 1 COAL, good 2 3 COAL, coarse 0 5		-						COAL
Ft. In.   COAL, top 0 6   Band 0 1   COAL, good 2 3   Splint 0 6   COAL   CO		U	T	b				2 - 0
COAL, top 0 6 Band 0 1 COAL, good 2 3 COAL, coarse 0 5	Five-Quarter Seam-							
Band 0 1 COAL, good 2 3 COAL, coarse 0 5								
COAL, good 2 3 COAL, coarse 0 5	<b>COAL</b> , top 0 6							
COAL, coarse 0 5	Band 0 1							Splint 0 6
COAL, coarse 0 5	COAL, good 2 3							$036\frac{1}{2}$
								<del></del> 10 4 2 <del>1</del>
Commenced to sink   67 5 6   Grey metal		0	3	3				
Commenced to sink from 5/4 to Brock-well Seam, April 6th, 1881:—         67 5 6         Grey metal (180)         0 0 0 6 (1 1 1)         0 0 0 2 5 (1 1 1)         White post (180)         0 0 0 2 (180)         White post (180)         0 0 0 0 2 (180)         White post (180)         0 0 0 0 0 2 (180)         White post (180)         0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_			3	3	4	Communication 0 9 0
Commenced to sink   from 5/4 to Brock-   well Seam, April 6th,   1881:					_		_	COAL
from 5 4 to Brockwell Seam, April 6th,         Mell Seam, April 6th,       White post 0 1 1         Seggar clay 0 1 0       White post 0 0 2         Grey post, with whin 2 1 7       Blue metal 0 0 7         Blue stone 0 1 6       White post 0 0 4         Grey post 0 1 10       White post 0 2 6         Grey metal 0 0 4       White post 0 0 4         White post 0 2 6       White post 0 2 6         Grey whin 0 4 0       White post 1 2 0         White post 1 2 0       2 3 9	Commonand to simb				67	5	6	
well Seam, April 6th,         1881:—       Blue metal        0 0 2         Seggar clay        0 1 0       White post        0 0 2         Grey post, with whin       2 1 7       Blue metal        0 0 4         Blue stone        0 1 10       White post        0 0 4         Grey post        0 1 10       Grey metal        0 0 8         Blue stone        0 4 0       White post        1 2 0         Grey whin        0 4 0        2 3 9					01	U	U	
1881:—         Seggar clay       0       1       0       0       2         Grey post, with whin 2       1       7       Blue metal        0       0       7         Blue stone        0       1       6       7       7       8       8       8       8       8       8       8       9       8       9       8       9       8       9	Jrom 5/4 to Brock-							1
Seggar clay        0       1       0         Grey post, with whin 2       1       7       Blue metal        0       0       4         Blue stone        0       1       10       Grey metal        0       2       6         Grey whin        0       4       0       0       8       White post        0       0       8         White post         1       2       0       0       0       0       8         White post         1       2       0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>D1 - 11</td>								D1 - 11
Grey post, with whin 2 1 7       Blue metal 0 0 4         Blue stone 0 1 16       White post 0 2 6         Grey post 0 1 18       Grey metal 0 0 8         White post 1 2 0       White post 1 2 0		_	_	_				
Blue stone 0 1 6 Grey post 0 1 10 Blue stone 0 1 8 Grey whin 0 4 0  White post 0 2 6 Grey metal 0 0 8 White post 1 2 0								
Grey post 0 1 10 Blue stone 0 1 8 Grey whin 0 4 0  Grey whin 0 4 0  Grey metal 0 0 8 White post 1 2 0  2 3 9	Grey post, with whin	2						
Blue stone 0 1 8 Grey whin 0 4 0  White post 1 2 0  2 3 9	Blue stone	0						
Blue stone 0 1 8 Grey whin 0 4 0  White post 1 2 0  2 3 9	Grey post	0	1	10				Grey metal 0 0 8
Grey whin 0 4 0 2 3 9	D1 1	0	1	8				W1 *4 1
Carried forward 3 5 7 67 5 6 Total sunk 88 2 41		0	4	0				
				_	-		_	

#### No. 1,876.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58′ 12″, Long. 1° 46′ 23″.

Strata sunk through in a Staple from the Five-Quarter Seam to the Brockwell Seam, 74 yards South 87½ East of the Emma Pit, Towneley Colliery.

Sunk to 5/4 Seam {	Fs.	Ft.	In.	Fs. 46 21	Ft. 1 4	In. 0 6*	Brought forward 0 Thill, mixed with catheads 0		8	Fs. 67	Ft. 5	In. 6
Seggar clay							COAL 0			0	1	6
Carried forward	0	0	8	67	5	6	Carried forward	l _	•	68	1	0

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,876.—STELLA AND TOWNELEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 68 1 0	Brought forward 1 5 3 73 5 8
Thill and catheads 0 1 1	Grey metal 1 0 9
Grey post 1 4 5	Parting 0 0 01
Grey metal 0 2 0	Grey metal 1 0 2
Grey whin (out on	Parting 0 0 0½
N.W. side) 0 3 3	Grey metal 0 1 4
Hard grey post 0 4 0	White post 2 0 0
Blue metal partings 0 0 0½	Parting 0 0 01
Blue metal 1 0 1	White post 0 3 0
Grey post girdle 0 0 6	Parting 0 0 01
Grey metal 0 1 6	White post
Parting $0 0 0 \frac{1}{3}$	Chart north
0.1.0	White post
Danking 0 0 01	Porting 0 0 01
Blue metal $0 0 0 \frac{1}{2}$	
Three-Quarter Seam— Ft. In.	Grey post 0 0 2 White post 0 3 7
COAL 1 63	
Black band $0 2\frac{1}{2}$	Brockwell Seam—
COAL 0 71	COAL, coarse 0 3½
Black band 0 11	
$-$ 0 2 $7\frac{1}{2}$	Black band 0 3
5 4 8	COAL, good 0 21
Thill 0 0 5	Jet 0 2½
Grey metal 0 2 6	COAL, good 2 $0\frac{1}{2}$
Post girdles 0 0 6	COAL, splint 0 6
Blue metal 1 0 7	0 3 8
Soft grey metal 0 1 3	
Carried forward 1 5 3 73 5 8	Total from surface $85 \ 5 \ 5\frac{1}{2}$

#### No. 1,877.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat.  $54^{\circ}$  58' 10'', Long.  $1^{\circ}$  46' 30''.

Section of Strata sunk and bored through from the Five-Quarter Seam in the Emma Pit, in a Staple North 58 West 520 links from Shaft. Completed April, 1850.

Sunk to 5/4 Seam  Thill stone White post Grey metal Blue metal	{  	0 1	1 1 1	0	In. 0 6*	Brought forward 2 0 7 67 5 0  Blue metal parting 0 0 2  Grey metal 0 3 1  White post 0 4 0  Grey whin 0 1 0  Grey metal 0 1 8
White post Blue metal	•••		0 0	5		White post 0 5 0 Grey metal 1 0 7 Blue metal 0 3 2  Carried forward 6 1 3 67 5 6

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,877.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward  Three-Quarter Seam— Ft. In.  COAL 1 6½  Band 0 9  Band 0 1  COAL 0 1½  (A drift was driven back in this seam to a borehole in the pit for the purpose of water drainage.)  Bored from here:— Grey metal and post girdles Grey metal Grey metal and post girdles Soft grey metal Hard grey post Grey post	6	2	1b. Fs. 3 67  9 4 9 5 4 4 6 2 6 2	Ft. 5		Brought forward Whin
Carried forward	3	5	9 74	3	6	Total <u>83 3 4</u>

## No. 1,878.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

Boring from Towneley Seam downwards on the East side of Shaft of Emma Pit, bearing N. 72\frac{3}{4} E. 8.20 links. June 3rd, 1850.

Fs. Ft. In.	Fs. Ft. In.	1	Fs.	Ft.	In.	Fs.	Ft.	In
Staple sunk 0 4 3	20, 20, 211	Brought forward				2	4	9
White post 0 1 8		Grey post	0	1	6			
Grey post 0 0 5		White post	0	1	3			
Mild white post 0 0 5		Parting	0	0	2			
Grey post 0 1 3		White post	0	1	4			
Parting 0 0 2		Parting	0	0	1			
Grey post 0 0 5		Post girdle	0	0	2			
Hard post girdle 0 0 3		Parting	0	0	2			
Grey metal 0 1 11		Post girdle	0	0	3			
Post girdle 0 0 3		Whin	0	0	2			
Grey metal 0 1 3		Grey post	0	0	4			
Iron girdle 0 0 5		Parting	0	0	$1\frac{1}{2}$			
Grey metal 0 1 9		White post	0	2	9			
Blue metal 0 0 10		Parting	0	0	1			
COAL—Hodge Coal 0 1 6		White post	0	0	11			
	2 4 9	Parting	0	0	<b>2</b>			
					-		_	_
Carried forward	$2 \ 4 \ 9$	Carried forward	1	3	$5\frac{1}{2}$	2	4	9

# No. 1,878.—STELLA AND TOWNELEY.—CONTINUED.

Brough	t forw	ard	Fs.	Ft.	In. 5½		Ft.	In. 9			Broug	ht for	vard			In. 5	Fs.	Ft.	In. 9
Post			ō	2	4				1	Soft	partin		•••	õ	ō	5	_	-	v
Parting			Õ	ō	2						te post			ŏ		10			
Post			0	1	9					Part				ŏ	õ	31			
Parting			Õ	ō	ĭ						te post			ŏ	ĭ	2			
Post			ŏ	2	$2\frac{1}{2}$					Part				ŏ	õ	31			
Parting			ŏ	ō	2						te post			ŏ	ŏ	7			
Post			ŏ	2	3					Part				ő	ő	11			
Parting	***		ŏ	õ	1				-		te post			0	ŏ	4			
Post	•••	• • •	ĭ	ŏ	8							Tilly S	laam	0	2	3			
	•••	•••	ō	ŏ	4					001	T	Luig K	eum	U	2	o	5	3	01
Soft parting		•••	0		11				-	Thill							0	0	$8\frac{1}{2}$
White post	•••	•••	U	U	TT					1 11111		• • • •	•••				U	U	6
Carried	forwa	rd	4	2	5	2	4	9				Total					8	2	$11\frac{1}{2}$
	Rise of						oubl	e w	as	got		•••		Fs. :	0 1	1			
	Throw	or r	ise (	of t	roub	ole				• •			• • •	6	0	6			
																_			
														8	1	5			
		D	esce	nt t	to bo	ore	hole	;		••	•••	•••	•••	0	0	$4\frac{1}{2}$			
		Т	otal	risc	e fro	m	sha	ft			•••			8	1	$0\frac{1}{2}$			

### No. 1,879.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Mr. Cowen's Freehold Pit.—Boring Account at Path Head in the Dean opposite Mr. Cowen's Water Mill. August 9th, 1852.

	73	THE	T. 73. 734 T.	71 71 7 71 71 7
Bog moss	18.		In. Fs. Ft. In.	Brought forward 19 2 0
		-	-	9
Blue clay		1		Ft. In.
Sand	0	1	5	COAL 2 0
Blue clay	1	0	2	Seggar clay band 0 9
Tumbling whin stone	0	1	3	COAL 0 7
Blue clay	0	5	2	0 3 4
Blue clay			0	19 5 4
Blue mixed clay	9	2	0	Fire clay 0 3 0
Brown shivery free-				Grey metal, with post
	2	3	0	girdles 3 1 2
Post	0	2	0	Open; old waste—
				Five-Quarter (?) 0 2 0
				4 0 2
Carried forward	19	2	0	Total 23 5 6
Carried forward	19	4	U	10tat <u>25 5 0</u>

## No. 1,880.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Boring by the Railway Side, opposite the South-west corner of Stella Park Wall, below Path Head, by J. Smith. Begun November, 1852; finished January 10th, 1853.

3	The	TPA	T.,	De	TOL T	.	——————————————————————————————————————	77.	774	7	77.	774	_
Strong blue clay, with	rs.	PT.	ın.	rs.	Ft. Ir	·	Brought forward	Fs.		in.	Fs. 20	Ft.	In
tumbling stones	6	3	6			·   T	ronstone or whin		_			-	•
Fine loamy sand	_	1					COAL (water got at						
Clay, boxes up to this	v		~			'	through coal)	Λ	0	9			
point (Nov. 20th)	3	9	11			- 1	emough coar,	U	U	ð			
		1	0								0	4	2
COAL	U	1	U			S	Seggar clay	0	0	10			
	-			10	3		1100 4	ŏ	-	0			
Blue clay	0	6	0			- 1		0	0	4			
1 . Ct	0	1	ő					U	U	4			
31 * .	0	4	7				COAL, very Ft. In.						
	-	4					strong (Dec.						
Yellow post	0	_	8			1 .	16th) 2 6						
COAL	0	0	7			1	Black stone 0 8						
	_			2	4 10	o		0	3	2			
Seggar clay	0	1	6			-		_			1	2	4
Blue stone	ŏ	3	8			_		_	_		-	-	ľ
COAL	ŏ	0	4			§	eggar clay	_	.0	8			
	Ü					.   I	lard grey post		0	8			
			—	0	5 (	5   E	Blue stone	0	2	7			
Seggar clay	0	0	6		-		Ft. In.						
Blue stone	0	2	3				OAL 2 4						
Old waste—Old Five-		•					eggar clay band 0 2						
Quarter (?)	0	5	3		ger n. n.	_   _ C	OAL 0 4						
, , ,				1	9 (			0	2	10			
				T	. 2. (	'		٠.				0	
Seggar clay	0	4	0			- 1					1	0	
Hard post	0	0	6				laneau alam	0	9	2			
Blue stone (Dec. 2nd)	0	4	2				leggar clay	0	3	0			
Grey post	0	4	9				White post	0					
Blue stone, mixed with							Blue stone	2	1	6			
girdles	2	1	1			I v	Vhite post	0	0	10			
Ft. In.	-		_			8	oft parting, with	_	_	_			
COAL 1.0							water	0	0	2			
Band 0 1							Vhite post	0		2			
COAL 3 0						S	oft parting	0	0	3			
· · · · · · · · · ·	_					V	Vhite post	1	2	7			
A /-	0	4	1				Blue stone	1	4	7			
Annual matter of				5	0 2	,   C	COAL (supposed		•				
Nomen alam	_		-	U		' 1	Five-Quarter Seam)	0	4	1			
Seggar clay	0		1								7	1	1
Blue stone	0	1	4					-			1	T	1
.,													
			_	_		-	Sec. 3 441		£11			-	
Carried forward	0	3	5	20	4 6	3	Total				31	4	1
						1				=		_	

## No. 1,881.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

feet above sea (Ordnance datum).

Boring Account at Smith's Shop, Stella Staith, by J. Smith. Begun January, 1853.

		Fs.	Ft.	In.	Fs.	Ft.	In,
Sand and gravel		1	3	0			
Blue clay		0	3	0			
Sand		0	1	0			
Blue clay, with t	um-						
bling stones		9	0	0			
Yellow post		1	2	0			
Blue metal stone		1	1	0			
Hard post		0	0	8			
Whin		0	0	6			
Blue metal stone		0	0	10			
COAL		0	4	2			
					14	4	2

Approximate surface level

Brought forw	ard	Fs.	Ft.	In.	Fs. 14	Ft.	In.
Seggar clay		0	2	6			
Blue metal stone		0	0	10			
COAL		0	0	<b>2</b>			
•					0	3	6
Seggar clay		0	2	0			
White post		0	1	4			
					0	3	4
		-					

Carried forward 14 4 2

Total ... 15 5 (

## No. 1,882.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57′ 58″, Long. 1° 45′ 13″.

An Account of the Strata passed through in a Staple sunk from the Towneley Seam, about 360 yards North-West from Stargate Pit. September, 1853.

Fs. Ft. In. Fs. Ft. In	n. Fs. Ft. In. Fs. Ft. In.
Thill 0 3 0	Brought forward 5 0 $5\frac{1}{2}$ 3 1 $0\frac{1}{2}$
Blue and grey metal 1 2 0	Ft. In.
Grey post 0 4 1	COAL, mixed
White post $0 \ 2 \ 8\frac{1}{2}$	with danty
COAL-Hodge Coal 0 1 3	bands $0 \ 10\frac{1}{3}$
	Hard stone band $0   0\frac{1}{3}$
Thill $0 3 7\frac{1}{2}$	COAL, good 0 7
Grey post 0 2 0	COAL, coarse,
White post 0 1 0	of a splinty
Parting	nature 0 4
White post 0 5 8	COAL, good 0 5
Parting	0 2 3
White post 0 5 3	5 2 81
Parting	Into fire clay thill.
White post 2 0 11	1110 1110 11110
	_
Carried forward 5 0 5 3 3 1 0	Total 839
0 0 0 0 0 0 0	2

# No. 1,883.—STELLA AND TOWNELEY.

#### TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58' 50", Long. 1° 46' 40".

An Account of the Strata met with in a Borehole made near the Falls by the Side of the Newcastle and Carlisle Railway, in Col. Towneley's Property, by the Stella Coal Co. Commenced July 9th, 1863; finished September 25th, 1863.

Fs. Ft. In. Fs. Ft. In.	D	Fs.	Ft. In. Fs.	
Soil 0 1 0	Brought forward		16	4 2
Clay and gravel 0 1 0	Seggar clay	_	2 10	
Sand and gravel, with	Parting	0	0 0	
water 1 1 0	Darkish grey post		$3 \ 10^{\frac{1}{2}}$	
Loamy clay 0 0 6	White and grey post	0	5 2 .	
Sand and gravel, mixed $\int 3 + 6$	Parting, with water	0	$0  0\frac{1}{2}$	
with clay $(0 \ 0 \ 1)$	Grey post	0	0 3	
Tumbling stone 0 0 11	Brown post	0	4 1	
Sand and gravel 1 2 3	Post	0	0 3	
Tumbling stone 0 0 6	Blue metal	0	0 6	
Sand and gravel 3 4 0	Brown post, with gir-			
Strong blue clay (July	dles	0	2 5	
2011	Blue metal	ŏ		
30th) 0 3 0	Post	ŏ	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
11 0 9	Plus model	ŏ	2 81	
Shivery post 0 1 6	Dead	ő	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
			2 0	
	Grey metal	U.	2 0	
Brown post, with wa-	Grey metal, with post	,	0 41	
ter $0 \ 0 \ 10\frac{1}{2}$	girdles		$2   4\frac{1}{2}$	
Blue metal and post	Blue metal	0	2 4	
girdles 0 1 3	Post girdle	-	0 2	
Brown post $0   5   6\frac{1}{2}$	Blue metal		$0 \ 2\frac{1}{2}$	
Blue metal 0 0 2	Post girdle	0	0 5	
Brown post $1  0  7\frac{1}{2}$	Blue metal	1	0 0	
Blue metal 0 0 4	Grey metal	0	$16\frac{1}{2}$	
Brown post $0 2 6\frac{1}{2}$	COAL (August 6th)	0	0 6	
Grey post 0 0 10	, , ,		8	5 01
Blue metal 0 0 1			- 0	$5 \ 0\frac{1}{2}$
Grey post 0 0 7	Grey metal	1	$1 \ 2\frac{1}{3}$	
Blue metal 0 0 3	Whin	0	0 7	
Grey post 0 0 6	Grey metal	0	1 5	
Ding model 0 0 7	COAL (August 7th)		1 5	
D	Conta (Magast Vell)		_	4 146
Brown post U 4 2			1	4 73
Supposed Ruler Seam—	(T	Λ	1 11	
Ft. In.	Grey metal	0	$1 \ 1\frac{1}{2}$	
COAL 1 0	Blue metal and coal	_	0 01	
Band 0 4	pipes	0	$0 \ 8\frac{1}{2}$	
COAL 2 7	Blue metal and post			
	girdles		$3  9\frac{1}{2}$	
<b>——</b> 0 <b>3</b> 11	Grey metal		$0 \ 4\frac{1}{2}$	
5 3 5	Brown post		$1 \ 5\frac{1}{2}$	
0 0 0	Blue metal	0	0 4	
Carried forward 16 4 2	Carried forward	1	$1  9\frac{1}{2}  27$	1 10
			-	

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,883.—STELLA AND TOWNELEY.—CONTINUED.

D 146 1	Fs	Ft. In. I	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	1		21	T	10	Brought forward 0 1 8 45 0 4½
Grey metal	0	$\frac{1}{2}$				Blue metal, with coal
Grey post	0	$\frac{3}{2}$				pipes 0 0 4
Grey metal	0	$0 \ 1\frac{1}{2}$				Seggar clay $0  1  11\frac{1}{2}$
Grey post	0	3 0				Grey post 0 0 9
Blue metal	0	3 8				Grey metal $0  ext{1}  ext{5}  extstyle{\frac{1}{2}}$
Supposed Towneley						Grey post $0   0   6\frac{1}{2}$
Seam Ft. In.						White post 0 1 5
COAL (Aug.						Grey post 0 2 6
11th, 1863) 0 3						Blue metal 0 2 3
Band 0 2						Parting 0 0 2
COAL 0 6						Grey post $0 \ 0 \ 5\frac{1}{2}$
Band 0 0	Į					Grey metal 0 1 2
COAL 2 11	-					Grey post 0 0 5
	0	3 11				Blue metal 0 4 2
	•	0	_	_	_	COAL (supposed 5/4
			3	5	5	Seam 0 3 6
Seggar clay	0	3 8				3 4 9
Grey metal	0	$1\ 11\frac{1}{2}$				0 4
Grey post and part-		-				Seggar clay 0 0 6
ings	1	$0  5\frac{1}{2}$				COAL 0 0 3
Grey post and part-		-				Seggar clay 0 2 1
ings	1	2 8				Post 0 0 2½
Grey post and part-						Metal parting $0 \ 0 \ 3\frac{7}{2}$
ings	0	$2  3\frac{1}{2}$				Strong grey metal 0 2 3
COAL (August 17th)						Blue metal 0 1 1
-Supposed Hodge						Post 0 0 8
Seam	0	1 10				Blue metal 0 0 10
			4	0.1	10 <del>1</del>	Strong grey post 0 0 10½
a	_		•	0.	102	White post 0 4 7
Seggar clay	0	$1 \ 11\frac{1}{2}$				Metal 0 0 2
Grey metal	0	$\frac{3}{4\frac{1}{2}}$				Grey metal 0 0 9
Grey post and partings	1	4 1				Blue metal $0 1 1\frac{1}{2}$
COAL (supposed	_					White post 0 1 6
Tilly Seam)	0	1 11				Whin (took 7-8 hours
	-		2	5	4	to bore through it) 0 2 0
Soggen alan	0	1 7				Strong white post 0 3 8
Seggar clay	ő					Blue metal
Grey post	U	$1  3\frac{1}{2}$				Grey post and water 0 0 7
Mild grey metal, with	1	5 1				Grey metal 0 2 9
Grey metal and coal	T	5 1				Blue metal and post
	0	2 11				girdles 0 5 $9\frac{1}{3}$
	ö	$\begin{array}{cccccccccccccccccccccccccccccccccccc$				Grey metal $0  1  3\frac{7}{2}$
Grey post Grey metal	o	1 81				Blue metal and post $0   2   4\frac{7}{2}$
COAL (supposed	U	1 02				COAL (supposed 3/4
	0	0 1				Seam) 0 1 6
Hand Coal)	0					
	_		3	2	0	0 1 1 <sub>2</sub>
Blue metal	0	$1 \ 11\frac{1}{9}$				Seggar clay 0 1 2
Grey post	0	$5 \ 10\frac{1}{2}$				Post 0 0 5
Blue metal	0	0 2				0 1 7
Grey post	0	4 11				
Grey metal	0	5 6				
COAL (supposed	•	• •				
Stone Coal)	0	2 6				
,		_	9	9	11	
	-		3	Z	11	
Seggar clay	0	0 6				
Grey post	0	1 2				
0 110						Total 55 1 10
Carried forward	0	1 8 4	5	0	$4\frac{1}{2}$	Total 55 1 10

### No. 1,884.—STELLA AND TOWNELEY.

#### TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

Account of the Second Hole bored 400 yards below Stargate House, close to the South Side of the Waggonway, by Messrs. Howden, Robson, and Pickering.

Approximate surface level feet above sea (Ordnance datum).

									_				-
a , ,							Fs	. Ft.		Fs.	Ft.	In.	
Gravel and	sand	• • •	•••	•••		•••	1	4	U				
Clay	•••		•••				7	<b>2</b>	0				
Sand							0	1	0				
Clay			•••		•••		6	0	0				
Blue stone							3	0	0				
COAL, st	pposed	to	be in	south	side of	$\mathbf{the}$							
trouble							0	3	6				
							_			18	4	6	
			Total							18	4	6	
2234020	γ		Total				_			18 18	4	6	

Trouble downcast 90 fathoms to north.

### No. 1,885.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58' 23", Long. 1° 44' 5".

No. 3 Account of a Boring made by the Stella Coal Company in a Field called the Foundry Field, belonging to J. C. Lamb, on the North Side of the Newcastle and Carlisle Railway. Commenced December 16th, finished December 28th, 1863.

Soil Loamy clay Sand Gravel Sand and gravel Clay and gravel Tumbling stone Soft parting Tumbling stone Clay and gravel Clay and gravel Clay (Dec. 19th, 1863; the props were put in 22 feet)	0 4 0 0 3 10 0 4 0 0 2 2 0 3 0 * 0 3 8 0 4 10 0 0 11 0 0 0 7 0 0 0 1 0 0 6 0 0 9 0 2 9	Brought forward Soft grey freestone Soft grey post COAL (Dec. 21st,)  Seggar clay, &c Grey metal Grey metal Strong grey post Blue metal Post girdle Dark blue metal Post Blue metal Post Blue metal Post Blue metal Post	0 2 9 0 5 3
Carried forward	6 3 8	Carried forward	$4 \ 3 \ 10\frac{1}{2} \ 8 \ 0 \ 2$

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,885.—STELLA AND TOWNELEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 4 3 $10\frac{1}{2}$ 8 0 2	Brought forward 1 5 $1\frac{1}{2}$ 13 4 $1\frac{1}{2}$
Grey metal 0 2 5	Blue metal 0 0 3
COAL — Towneley	Grey post $0 3 0\frac{1}{2}$
Seam (Dec. 24th) 0 3 8	COAL—Hodge Seam
$\frac{}{}$ 5 3 11 $\frac{1}{3}$	(Dec. 28th) 0 1 6
Seggar clay 0 3 5	2 3 11
Blue metal $0 1 7\frac{1}{2}$	Seggar clay 0 2 0
Grey metal 0 1 7	Post 0 0 2
Grey post 0 4 6	0 2 2
Carried forward $1   5   1\frac{1}{2}   13   4   1\frac{1}{2}$	Total $\frac{16 \ 4 \ 2\frac{1}{2}}{}$

### No. 1,886.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

No. 4 Boring made by the Stella Coal Company, on the South Side of the Newcastle and Carlisle Railway, opposite Hedgefield, in Col. Towneley's Ground, 54 yards East of the Old Water Pit. Commenced December 28th, 1863; finished January 4th, 1864.

Approximate surface level feet above sea (Ordnance datum).

-							
0.11		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	2	0				Brought forward 2 0 6 4 3 4
Loamy clay	1	$\frac{2}{5}$	0				Blue metal 0 0 6
Sand and gravel	0		9				Grey post 0 0 2
Clay and gravel	0	1	3				Grey metal 0 1 8
Gravel	0	1	0				Dark grey post, with
Clay and sand	0	0	8				partings 0 3 10
Clay	0	0	7				Dark blue metal 0 1 0
			_	3	1	3	Dark blue metal 0 3 6
Small pipes put in 22				-	_	_	Post girdle 0 0 2
feet.							Dark blue metal 0 1 1
Soft grey post	0	4	8				Blue metal 0 0 7
Grey post	ŏ	3	0				Mild grey post 0 1 7
COAL	ň	0	5				Blue metal 0 1 5
				1	2	1	Grey post 0 1 4
Seggar clay	_	0	7		2		70
Rlug motel	0	-	-				
Place meet-1	0	$\frac{0}{2}$	4 2				Seam 0 4 0
Guar mant	-		2				Seam 0 4 0
Chart work 1	0	1					
	0	1	9				Seggar clay 0 0 4
Mild grey post	0	1	8				Seggar clay 0 1 7
Strong grey post	0		11				Blue metal 0 1 10
Blue metal	0	0	6				Blue metal 0 1 0
Mild grey post	0	1	5				0 4 9
0 . 10				_			11 0 1
Carried forward	2	0	6	4	3	4	Total <u>11 2 1</u>

No. 5 Boring, made to see depth to Stone Head, 10 yards south of No. 4 Borehole. January 9th, 1864.

Fs. Ft. 1n. 2 2 0 Loamy clay ••• ... Stone.

# No. 1,886.—STELLA AND TOWNELEY.—CONTINUED.

	Nc	o. 6 Bo	oring, 1	6 yard	s East	from	No						
T.	-amy ala								. Ft.				
	oamy cla tone.	ıy	•••	•••		•	••	- 2	2	U			
No. 7 Bori		ando S	South for	om No	6 Ro	~ahala		Tan	· ana	. 1.	4+2	1061	
NO. 7 Bore	ny, 22 y	arus D	ouin ji	0716 LTO	. о до	renous			uary . Ft.			1864	
	oamy cla cone.			•••			••		0				
e last four trial			or the pu							pla	ce f	oraj	oit,
lburn Dene.—	Section	of a E	Seam wi	hich or	utcrops	at t	he i	levei	! of	th	e B	rook	in
Drift into the							hee	l	Janı	uar	y 14	th, 1	
Post roof	•						Fs.	Ft.	In.	Fs.	Ft.	In.	
COAL	•						0	0	$6\frac{1}{5}$				
Band	•••						Ö	0	$\frac{0}{3}$				
COAL	•••						ŏ	ŏ	$8\frac{1}{2}$				
Band	•••					•••	ŏ	ő	1				
COAL					• • • • • • • • • • • • • • • • • • • •		ŏ	ĭ	3				
COAL,	coarse						ŏ	õ	4				
Band							ō	Ŏ	4				
COAL		•••		•••	•••	•••	0	ō	8				
Band		•••		•••	•••		Ō	0	6				
							0	0	$3\frac{1}{2}$				
COAL													
Seggar cl													
									-	0	4 1	$1\frac{1}{2}$	
									-				
	lay.		Total	the to	 p of th	 e <b>E</b> mı	na :	 Pit :		0_	4 1	11/2	ı it
Seggar cl	lay.			the to	 p of the	 e Emi	na i	 Pit		0_	4 1	11/2	a it
Seggar cl	lay.	w the l	level of						and	o_dis	4 1	11/2	ı it
Seggar cl	ay.	w the 1	level of	LA	AND	TOV	VN		and	o_dis	4 1	11/2	ı it
Seggar cl	ay.	w the l	STEL	LA	AND	ТОУ	VN	EL	and	o_dis	4 1	11/2	ı it
Seggar cl	No. 1,8	387.— Town	STEL	Lat.	AND	TOV URHA	VN M. Lor	EL	and	o_dis	4 1	11/2	ı it
Seggar cl	No. 1,8	387.— Town	STELL NSHIP OF Map.	Lat.	AND	TOV URHA , d as 1	VN M. Lon Vo.	EL	EY	dis	4 1 tant	11/2	a it
Seggar cl The above sean Sheet	No. 1,8	387.— Town	STELL NSHIP OF Map.	Lat.	AND LLA, D	TOV URHA , d as 1	WN  Lor  Vo.  Ordi	EL	EY	dis	4 1 tant	11/2 from	ı it
Seggar cl The above sean Sheet Approx	No. 1,8	Town rdnance for 5 Hourface	STELL NSHIP OF Map.	Lat.	AND LLA, D	TOV URHA , d as 1	WN  Lor  Vo.  Ord:	EL	EY	dis	4 1 tant	11/2 from	1 it
Seggar cl The above sean Sheet Approx	No. 1,8 2 of Or  Namate s  gravel ed with	Town rednance sand	STELL NSHIP O e Map. Tole, in t	Lat.	AND LLA, D  ne Fiel above	TOV URHA  , d as 1 sea (C	VN  Lor  Vo.  Prd:	ELL nng.	EY	dis	4 1 tant	11/2 from	a it
Seggar cl The above sean Sheet Approx Soil and a Clay, mix Sand, wit	No. 1,8 2 of Or  ximate s  gravel ded with th water	Town rdnance sand	STELL OSHIP OF MAP.	Lat.	AND LLA, D ne Fiel above	TOV URHA  , d as I sea ((	WN. Lord Vo. Drd:	ELL nag.	EY	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and	No. 1,8 2 of Or  Ximate s  gravel ed with th water sand	w the last same and s	STELL NSHIP OF THE COLOR OF THE	Lat.	AND LLA, D  ne Fiel above	TOV URHA  , d as I sea ((	WN. Lord Fs 0 0 0 1	ELL ang. 4. mane	EY	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and Sand	No. 1,8 2 of Or  ximate s  gravel ded with th water	w the l	STELL OSHIP OF MAP.	Lat.	AND LLA, D — ne Fiel above	TOVURHA  , , d as 1	VN Lor Vo. Ord: 0 0 1 0	ELL nng. 4. nnanc 1 1 2 3	EY	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and Sand Clay	No. 1,8 2 of Or  Naximate s  gravel ed with th water sand	Town rdnance of the surface sand	STEL NSHIP O  e Map.  fole, in t  level	Lat.  the sam feet	AND LLA, D  above	TOV URHA  , , d as 1	VN  Lor  Vo.  Ord:  0 0 1 0 6	EL ang. 4. nane 4. 2 1 2 3 3	EY	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and Sand	No. 1,8 2 of Or  Naximate s  gravel ed with th water sand	w the l	STELL OSHIP OF MAP.	Lat.	AND LLA, D — ne Fiel above	TOVURHA  , , d as 1	VN Lor Vo. Ord: 0 0 1 0	EL ang. 4. nane 4. 2 1 2 3 3	EY  In. 0 0 0 0 8 4	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and Sand Clay	No. 1,8 2 of Or  Naximate s  gravel ed with th water sand	Town rdnance of the surface sand	STEL NSHIP O  e Map.  fole, in t  level	Lat.  the sam feet	AND LLA, D  above	TOV URHA  , , d as 1	VN  Lor  Vo.  Ord:  0 0 1 0 6	EL ang. 4. nane 4. 2 1 2 3 3	EY  In. 0 0 0 0 8 4	dis	4 1 tant	11/2 from	a it
Seggar cl  The above sean  Sheet  Approx  Soil and g Clay, mix Sand, wit Clay and Sand Clay	No. 1,8 2 of Or  Naximate s  gravel ed with th water sand	Town rdnance of the surface sand	STEL NSHIP O  e Map.  fole, in t  level	Lat.  the sam feet	AND LLA, D  above	TOV URHA  , , d as 1	VN  Lor  Vo.  Ord:  0 0 1 0 6	EL ang. 4. nane 4. 2 1 2 3 3	EY  In. 0 0 0 0 0 4	dis	4 1 tant	11/2 from	a it

## No. 1,888.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58′ 23″, Long. 1° 44′ 14″.

Account of Strata passed through in the sinking of the Addison Pit, at Hedgefield.
First sod cut January 26th, 1864; sinking commenced February 1st;
finished January 26th, 1865.

**	
From sole of cage frame to original surface 1 2 8 Loamy soil and clay 2 3 0 Shale \{ \frac{0}{0} \frac{1}{4} \frac{8}{8} \frac{1}{8} \frac{1}{	Brought forward
Towneley Seam—  Ft. In.  COAL, top 0 7  Band 0 1  COAL 5 4  (At one side of the pit the seam was 4 ft. 2 in.; the extra height is owing to a small fault.)	Stone Coal—       Ft. In.         COAL       3 0         Band       0 0½         COAL       0 5½         ——       0 3 6         (Feeder 154 gallons)       ——       4 5 0         Seggar clay        0 1 6       6         Grey metal        0 4 6       6         Blue metal        0 3 0       0         Grey metal and post
Fire clay 0 4 0  Grey post, with blue metal partings 1 5 0  COAL—Hodge Seam 0 1 6  Seggar clay 0 2 0  Grey metal and post girdles 0 5 0  Blue metal and post girdles 1 1 6	girdles 1 0 4½  Blue metal and post girdles 0 5 5  Blue metal 1 1 0  COAL 0 8½  Band 0 1¼  COAL, good 2 5  COAL, good 0 9¾
Grey metal and post girdles 0 1 3  Strong white post 1 3 6  Tilly Seam— Ft. In.  COAL 1 8½ Band 0 1½ COAL 0 10  —————————————————————————————————	Seggar clay 0 1 6 Grey metal 0 2 1 COAL 0 0 5 Blue metal 0 5 11  Ft. In. Black shale or cannel coal 0 8 Band 0 3 Black shale 1 9 —— 0 2 8
Carried forward 21 1 7	Carried forward 33 3

# No. 1,888.—STELLA AND TOWNELEY.—CONTINUED.

	Fs	Ft.	In.	Fs.	Ft.	ľn.	Fs. Ft. In. Fs. Ft. I
Brought forward	2 10.			33	3	0	Brought forward 4 0 0 34 4 6
Black stone	0	0	11				Blue metal 0 2 2
Blue metal	0	0	6				Grey metal 0 4 5
Whin post	0	1	10				White post and metal
Blue metal '	0	1	<b>2</b>				partings 3 4 10
							Blue metal 0 2 8
Three-Quarter Seam—	•						COAL 002
COAL 2 0	•						Blue metal 0 0 8
Band $0  ext{ } 4\frac{1}{2}$							Brockwell Seam—
COAL 0 6							Ft. In.
Band 0 3	_		<b>-</b> 1				COAL 3 4
	0	3	$1\frac{1}{2}$			0.1	Splint 0 5
	_	-	_	1	1	$6\frac{1}{2}$	0 3 9
Seggar clay			6				
rey metal	0	2	<b>2</b>				Seggar clay 0 1 10
Blue metal and iron	,	0	-				Grey metal and girdles 0 4 1 Blue metal 0 2 3
girdles	1	3	5				0041
Seggar clay	0	1	U				
rey metal and post	Λ	_	0				Grey metal and post
girdle		$\frac{5}{4}$	$\frac{2}{9}$				girdles 1 1 6
rey post	0	4	g				2 4 2
Carried forward	4	0	0	34	4	$6\frac{1}{2}$	Total 47 3 4

# No. 1,889.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat.  $54^{\circ}$  58' 14'', Long.  $1^{\circ}$  44' 42''.

Section of Strata sunk through in Staple between Five-Quarter Seam and Brockwell Seam. Bearing, 28 chains 57 links S. 85½ W. from Addison Pit.

Approximate level 195 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In.		Fo	Ε¥	Tn	Fa	Ft. In.
Seggar clay	0 0 0	Brought forward	ro.	10.	111.		1 3
Grey post stone		Grey metal stone	0	2	0		
COAL	0 0 6	Hard white post	0	3	5		
	$0 4 10\frac{1}{2}$	Whin and post	0	3	0		
Grey post	$0 \ 2 \ 10\frac{1}{2}$	Blue metal, with iron					
Black stone		girdles	1	<b>2</b>	0		
Strong white post		Post, with blue metal					
Blue metal stone	$0 \ 2 \ 5$		3	2	6		
Three-Quarter Seam-		Hard brown whin	0	2	0		
Ft. In	ı <b>.</b>	Post, with blue metal					
COAL, top 1 7		partings	0	4	0		
Band 0 4		Blue metal stone	0	3	0		
COAL 0 8		COAL	0	0	4		
Military and an analysis of the second	0 2 7	Blue metal stone	0	5	8		
	$\frac{2 \ 2 \ 4\frac{1}{2}}{}$					8	3 11
Carried for	ward 3 1 3	Total			*	11	5 2
	,				_	_	

<sup>\*</sup> Approximate sea level 124 feet below this.

### No. 1,890.—STICKLEY.

TOWNSHIP OF

, DURHAM.

Sheet

of Ordnance Map. Lat.

, Long.

Bored at Stickley, in the Staple supposed nearly four fathoms from the surface to the box. Finished June 2nd, 1743.

Approximate surface level feet above sea (Ordnance datum). Fs. Ft. In. Fs. Ft. In. 2 3 Box White and grey post 0 0 Grey post 3 5 0 Grey and black scamy Grey metal stone, with metal, with catheads 4 white post girdles ... 0 COAL, hard foul, White whin ... 1 0 with water Strong white post gir-0 0 dles, with metal 3 Grey metal ... partings ... 3 Grey metal stone, with Open white and black brown post girdles... scamy stone, with Brown post ... .. 3 3 0 water Black metal, scared White and grey scamy with coal ... ... 0 post, with water ... Grey metal, with cat-White and grey post 2 0 0 0 Whin girdles 0 2 0 heads 1 Black and grey metal White grey post 1. 0 Grey post ... Grey metal stone, with 0 3 0 Black parting, mixed with coal ... 0 0 post girdles and - 21 0 10 1 3 Grey metal, with gir-White post, mixed with whin ... 0 6 dles ... 1 3 White scamy post ... 0 3 0 Blue metal, with cat-Grey metal stone ... 3 heads White and grey post, COAL, mixed with with water 3 black slaty metal ... Grey and white metal 0 -6 . 0 4 2 0 - 11 stone, with water... Grey metal ... 1 6 Black metal, with gir-Whin 0 10 dles or catheads ... COAL .... Black metal, scared Grey and black metal, 0 0 8 with catheads ... Black metal, with with coal ... 0 girdles or catheads 0 0 7 1 6 1 0 0 0 Blue metal ... 1 Grey metal stone 0 ... White post ... Grey and black metal 6 1 0 0 ... 0 0 6 Whin girdle ... 0 0 8 ... Hard brown and grey Blue metal ... • • • metal, mixed with Grey scamy post ... Blue and black scamy coal ... ... 0 0 6 COAL 4 metal, with catheads Brown metal, mixed Black slaty metal ... 1 with brass ... ... Black metal, mixed 0 COAL, with water... 0 11 with coal ... 1 3 2 8 0 5 11 Grey and white metal Grey and blue metal... Blue metal, scared White and grey metal, with coal ... mixed with coal ... White metal ... In white post girdles, 1 0 0 Grey metal stone, with mixed with whin... white post girdles... 3 5 10 0 0 Carried forward 56 0 20 Total ...

# No. 1,891.—STOBSWOOD.

### TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.  $55^{\circ}$   $14^{\prime}$   $47^{\prime\prime},$  Long.  $1^{\circ}$   $37^{\prime}$   $40^{\prime\prime}.$ 

Account of Strata sunk through at Stobswood Colliery.

Approximate surface level 160 feet above sea (Ordnance datum).

~	Fs. Ft. 1		Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay	0 1	9			Brought forward 28 5 1
Blue metal and clay	1 1	0			Seggar clay 0 2 0
Blue metal	1 4	8			Grey metal and post
Strong post girdles	0 1	7			girdles 0 4 0
Blue metal	0 2	6			Black stone 0 3 0
Soft grey post	0 5	0			. Th. Y
Blue metal	0 3	0			COAL 2 0
COAL	0 0	8			1 70 7
		_ 5	2	2	2041
		_		_	COAL 1 2
Seggar clay	0 2	0			0 3 6
Blue metal	2 5	0			2 0 6
Grey post and whin					Grey metal and post
stone	2 1	8			girdles 2 0 0
Grey metal	2 0	0			Whin stone 0 2 6
Blue metal	2 0	0			White post 1 1 4
White post	1 3	3			COAL 0 0 3
COAL	0 0	3			Seggar clay 0 1 2
Seggar clay	0 2	5			Grey metal and post
Grey metal	0 3	Õ			girdles 0 3 0
COLL	0 1	$\tilde{2}$			0041
COAL	0 1	<del>-</del> 12	0	9	0 0 7 4 2 10
Samon alar	0 2	2	U	U	0 0 0
Seggar clay		4			
Grey metal and post	2 2	9			
girdles					D1 1 4
COAL	0 2	1	-		
		- 3	1	0	COAL 0 2 0
Blue metal					2 3 4
COAL	0 1	5			Seggar clay 0 2 8
		_ 1	3	3	COAL 0 0 4
Seggar clay	0 1	6			Seggar clay 0 1 0
Grey metal and post	;				COAL 0 0 2
girdles	1 0	2			Whin stone 0 0 7
CÖAL	0 0	8			Grey metal 1 1 5
Seggar clay	Λ 0	6			Blue metal 1 2 8
Grey metal	0 0	6			
Whin stone	0 1	$\tilde{2}$			Ft. In.
C	1 1	10			COAL 1 9
,	0.1	6			Band 1 8
Whin stone {				- *	COAL 4 0
3373 • (	0 0	6			1 1 5
White post	. 1 5	0			4 4 3
COAL	. 0 1	7			
		6	3	11	
		_			-
Carried fo	rward	28	3 5	1	Total 42 4 0
				_	

<sup>\* (</sup>Approximate sea level Ordnance datum).

# No. 1,892.—STONE BRIDGE.

### TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

## Bored at the Stone Bridge, near Durham. 1740.

Approximate surface level feet above sea (Ordnance datum).

•	Fs	Ft.	In. Fs. Ft. In.	1	Tra	174	Too	Tr.	Ft.	т
Brown soil		1		Brought forward				rs.	r u.	тп
Channel	0	2	6	Open broken grey post,	•	_	·			
	1	0	0	with water	1	1	3			
Soft sandy clay				Brown and grey post,	~	_	·			
Black stony clay				with brown and						
Sand and sandy clay,				black partings	2	0	0			
with water	0	3	0	COAL, soft danty	0	2	3			
Black stony clay			0	Grey and brown metal		ī				
Soft brown post, with					_			13	3	9
red and brown scamy								10	0	_
partings	2	2	0	_						
. 0										
Carried forward	9	4	0	Total				13	3	2
							=		_	

### No. 1,893.—STONE BRIDGE.

TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

### Second Hole at the same place.

~	Fs.	Ft.	In. F	s. Ft. In,		Fs.	Ft,	In.	Fs.	Ft.	In
Soil and channel	0	1	6		Brought forward	11	3	0			
Soft sandy clay	0	4	0		Brown and grey post,						
Soft sandy clay and					with scamy partings	2	5	0			
channel, with water	0	2	0		Brown and grey post,						
Soft sandy clay	1	1	6		with scamy partings						
Strong stony clay	4.	4	ŏ		and water	0	4	0			
Soft black and grey	-	r	U		Soft brown and grey	·	-	·			
metal	1	5	0		post, with scamy						
Black metal, brown		U	U		partings	2	3	0			
	9	Δ	0		COAL	2	9	1			
Brown and smear and l	4	U	U								
Brown and grey metal		_			Brown and grey metal	U	U	7	- H	-	
stone	0	3	0						17	5	8
Carried forward	11	3	0		Total				17	5	8

# No. 1,894.—STOREY LODGE.

#### TOWNSHIP OF EVENWOOD, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long. -

An Account of Boring by G. Rawling Maddison on the South Side of Gaunless, above Evenwood, about 10 yards on the South Side of Cragg Wood, in Mr. Raw's Pasture, and about 216 yards from the Drift in the Yard Coal. February 13th, 1833.

Approximate surface level

feet above sea (Ordnance datum).

a		Ft.		Fs.	Ft.	In.	-	D 1/6 1:	Fs.	Ft.	In.	Fs.	Ft.	
Soil	0	U	9				- 1	Brought forward I Mixture of whin and	14	T	О	19	4	6
Brown rambly post and water	1	4	Λ				- 1		1	٥	6			
	i		ő				- 1	Grey metal stone, with	1	U	U			
Dark metal		2						white post girdles						
COAL, with water,	U	2	U				- 1	and water	1	4	4			
and set away the							- 1	and water	-	-	-30			
water	0	3	6					Five-Quarter Seam-						
Water	_		_	4	1	3	:	Ft. In.						
Grey metal	0	3	0				-	COAL 1 3						
Grey metal stone and								COAL, hard						
whin girdles	8	0	9				- 1	splint 0 7						
Brown post, with part-								COAL, strong						
ings and water	2	1	0					coarse 1 7						
Strong whitish brown								Dark metal						
post, mixed with								band 0 5						
whin girdles	0	4	0					COAL 0 3						
Brown post, with part-								Grey metal,						
ings, and set away								scared with						
the water at 17 fs.								coal 1 0						
1 ft.; got water								COAL 1 2						
near the bottom	3	2	6						1	0	3			
Grey metal stone, with									_	·			_	
post girdles	0	3	0								_	18	0	7
Soft blue metal, with								Dark grey metal	0	3	6			
scares of coal	0	-	6					Grey metal stone and						
COAL	0	0	6		_			post girdles	1	4	11			
G1 1.3				15	3	,	3	Grey metal stone and						
Strong grey metal								whin girdles	<b>2</b>	0	0			
stone, with post	_	_	_					Black stone and strong						
girdles	^	5						girdles	0	1	6			
Soft dark metal		1 5						COAL, mixed with						
Strong black stone	0	Ð	Э					metal	0	1	0			- 12
Strong grey metal									_			4	4	11
stone and post girdles	1	5	6						_	-	^			
Brown post	0							Grey metal	U	T	0			
	U	1	•					Grey metal stone and	_		_			
Strong scared white post and whin girdles	0	3	0					post girdles	0	3	0	'		
		9	·	•				Grey metal stone and		^	_			
Whin mixture, with white post and gir-								whin girdles	_	_				
		5	6	:				Strong white post	0					
dles Strong white post, with		·		,				Whin girdles	0	0	6	,		
some whin girdles								Grey metal stone and	0	-	_			
and water		4	. (	)				whin girdles						
wha navel	9	-1		,				Softish grey metal	0	1	6	,		
							_							
Carried forward	14	1	6	3 19	) 4	4.	6	Carried forward	5	4	· C	42	4	1 0
		_				-	-	1	_	_				

## No. 1,894.—STOREY LODGE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.		In. Fs. Ft. In.
Brought forward 5 4 0 42 4 0  Main Coal Seam—	Brought forward	$49 \ \ 3 \ 10$
COAL, hard Ft. In. splint 1 3 COAL, strong 2 3 COAL, rather tender and	In grey metal	0 0 4
white ash 2 8 Dark band 0 2 COAL, foul near top, and white		
ash 1 6 1 1 10 6 5 10 Carried forward 49 3 10	Total	49 4 2

# No. 1,895.—STUBLICK.

#### TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

Account of the Boring at High Stublick Colliery, about 600 yards to the South-west from the House. April 26th, 1757.

Black soil		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 1 0 3 3 0
Stony clay, with beds	Ū	-	·				Brown and grey post,
of sandy channel with water	3	2	Ü				with water in some places 5 3 0
	_			3	3	0	places 5 3 0 COAL 0 1 6
Grey metal stone, with			^				<del></del>
post girdles Brown and grey scamy	4	3	U				Grey metal and metal stone, with post
metal	0	1	0				girdles 1 3 0
Grey metal stone	0	2	0				Blue metal, with some
Dun and grey post	0	3	0				small scares of coal 0 4 0
Strong grey post	1	1	6				Grey post 0 5 0
Brown and grey post, with scamy partings							Blue and grey scamy stone, with post gir-
and water	2	4	6				dles 0 4 0
White thready post,							Grey and white post 2 4 0
and set away the							Blue and grey metal 0 1 3
water	0	4	0				COAL 0 1 6
							6 4 9
Carried forward	10	1	0	3	3	0	Carried forward 26 1 3
							сс

## No. 1,895.—STUBLICK.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 26			Fs. Ft. In. Fs. Ft. Ir. Brought forward 2 4 3 26 1
Black metal, scared		0	c		_	_	Black slaty metal, mixed with coal 0 0 6
with $coal$ Grey metal	0	4	0				Strong grey metal
Strong white post Blue metal stone							stone, mixed with
Strong white post							White post, with water 1 1 6
Whin							Whin 0 0 7
Black and grey slaty metal, with post							4 5
girdles	0	4	6				
Carried forward	2	4	3	26	1	3	Total 31 0

# No. 1,896.—STUBLICK.

### TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

Second Place bored at High Stublick Colliery, about 60 yards to the N.N.E. from the First Place. June 20th, 1757.

							_		_	
			Fs. Ft. In.	Brought forward				Fs.	Ft.	In
-	·	U			U	_	v			
Λ	Q	Λ								
	9	a		and water	1.	2	6			
U	J	9		COAL WATER	7	1	6			
				OOAL	U	1		14	Δ	a
1	Λ	Λ		Char and blue metal				TT	U	,
1	U	U								
				with next sindles	9	9	9			
				White and grow nest	1	2	0			
4	Λ	Λ		Plus and grey post	1	o	0			
-10	U	U			^	4	•			
Ω	9	Λ		Plus motel	0	4	6			
U	o	U			U	1	0			
					٥	1	0			
				tour near the bottom	U	1	0	c	9	1
1	9	Λ		Plank motal samed				O	0	•
1	9	U				Λ	7			
				in grey metal	U	Z	U	0	9	7
								U	4	1
0	1	-6		Total				91	0	2
J	1	o		rotar		• • •		41	0	=
	1 0 0 1 4 0	1 0 0 3 0 3 1 0 4 0 0 3	1 0 9 0 3 0 0 3 9 1 0 0 4 0 0 0 3 0 1 3 0	0 3 0 0 3 9 1 0 0 4 0 0 0 3 0	1 0 9   Brought forward Brown and grey post, with scamy partings and water   COAL     1 0 0   Grey and blue metal and metal stone, with post girdles   White and grey post   Blue and grey metal stone     Blue metal   COAL, but rather foul near the bottom     1 3 0   Black metal, scared with coal   In grey metal	Brought forward   9	Brought forward   9   1	Brought forward 9 1 6 Brown and grey post, with scamy partings and water 4 3 6 COAL 0 1 6  1 0 0 Grey and blue metal and metal stone, with post girdles 3 2 3 White and grey post 1 5 8 Blue and grey metal stone 0 4 0 Blue metal 0 1 6 COAL, but rather foul near the bottom 0 1 8  Black metal, scared with coal 0 0 7 In grey metal 0 2 0	Brought forward 9 1 6  Brown and grey post, with scamy partings and water 0 1 6  COAL 0 1 6  Grey and blue metal and metal stone, with post girdles 3 2 3  White and grey post 1 5 8  Blue and grey metal stone 0 4 0  Blue metal 0 1 6  COAL, but rather foul near the bottom 0 1 8  Black metal, scared with coal 0 0 0 7  In grey metal 0 2 0	Brought forward 9 1 6  Brown and grey post, with scamy partings and water 0 1 6  COAL 0 1 6  Grey and blue metal and metal stone, with post girdles 3 2 3  White and grey post 1 5 8  Blue and grey metal stone 0 4 0  Blue metal 0 1 6  COAL, but rather foul near the bottom 0 1 8  Black metal, scared with coal 0 0 7  In grey metal 0 2 0  The description of the coal

# No. 1,897.—STUBLICK.

# TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 25 of Ordnance Map. Lat.

, Long.

Third Place bored at High Stublick Colliery, about 300 yards to the Eastward from the First Place. September 16th, 1757.

													_
Peat moss		Ft.	In. 0	Fs.	Ft.	In.	Brought forward				Fs. 12		
Brown gravelly clay,	0		v				Strong white post		0		12	1	10
mixed with ramble	0	5	6				Grey metal stone, with	·	Ü	•			
Brown and grey post,							black scamy part-						
with soft rambly							ings and a hard						
partings and water	2	3	9				girdle or lump	0	3	8			
COAL, soft	0	0	9				COAL	0	0	4			
				4.	0	0					3	3	10
C				-	·	•					Ŭ	•	
Grey metal and metal stone, with post							Black grey metal,						
girdles post	1	Δ	0				scared with coal		1	3			
Soft blue metal with	1	U	U				Grey metal stone		2	0			,
girdles or lumps,							White post, with water		4	6			
with water, and set-							Grey metal stone		0	0			
tled the top feeders	0	3	0				White post		1	0			
Grey and blue metal,	·	·	•				COAL	U	2	3			
with water	0	4	0								4	5	0
Grey post, with scamy							G 41	^	-	•			
partings	2	4	3				Grey metal	0	1	6			
Whin mixture	0	4					Strong grey metal						
White post	0	3	9				stone, with post	1	9	0			
Brown and white post		<b>2</b>	3				girdles White post, with mix-	1	ð	v			
White post, with water	1		4				ture whin girdles	2	4	0			
Jet	0	0	1				White coal pipy post,	-		•			
COAL, with a small							with black partings						
slaty lump or scare							and water	0	4	6			
bands near the	_	-					Grey metal	_	4				
middle	U	1	Z				Black metal	_	0	4			
				8	1	10	COAL	0	2	7			
Di- 14-1 : 1											6	1	11
Black metal, mixed	_										U	-	
with coal Blue metal	0	0					Blue metal	0	1	0			
Grey metal Grey metal stone, with	U	9	U				Blue metal stone, with						
post girdles and							girdles or lumps	1	2	0			
1	1	4	0										
Strong white post,			U								1	3	0
mixed with whin	0	3	0										
Whin	ŏ		10										
	_	_											
Carried forward	2	5	1	12	1	10	Total				28	3	7
							1			•			

# No. 1,898.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND,

Sheet 93 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Stublick,  $5\frac{1}{2}$  miles S.W. of Hexham.

Approximate surface level

feet above sea (Ordnance datum).

Soil and rubble			In. 0	Fs.	Ft.	In.	Brought forward O				Fs. 11		
Grey metal stone, with girdles and water White and grey gul- lety post (set away	3	2	0				COAL 0 7 COAL, foul 0 3 Grey metal 0 9						
the water)		5	0				COAL, with						
COAL	0	2	4	9	1	4	white spar 0 5 — 0		2	0			
Grey metal, with gir-								_		-	0	4	(
dles			0				Grey metal 0		2	0			
Grey metal		1	0				Grey metal 0 Light grey post 1 Blue grey metal 0		1	1			
COAL				2	1	1	Blue grey metal 0 White post, mixed		2	0			
Grey metal	0	2	0				with whin 0	,	1	0			
arej meddi		_					Soft sandy white post 1		1	0			
							Dark grey metal 0	•	5	6			
							scares 0		0	2			
							-	_		_	4	0	9
Carried forward	0	2	0	11	2	5	Total				16	1	

## No. 1,899.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat.

, Long.

### Section of Stublick Colliery.

Clay	Fs. 1	Ft. 3	In. 0	Fs.	Ft.	In,	Fs. Ft. In. Fs. Ft. In. Brought forward 20 5 9	
Calm sill	6	5	3				Blue metal 0 3 5	
Millstone grit	5	3	0				Post 0 4 1	
COAL	0	0	9				Post girdles 0 5 2	
				14	0	0	Post 3 5 7	
Thill	0	5	2				COAL — Yard Seam 0 2 4	
Grey metal	1	5	0				6 2 <b>7</b>	
Post	4	0	5				Post 2 1 0	
COAL—Cannel Coal	0	1	2				Post girdles 1 4 0	
				6	5	9	Post 0 4 5	
Carried for	war	d		20	5	9	Carried forward $4  3  5  27  2  4$	

# No. 1,899.—STUBLICK.—CONTINUED.

Brought forward	Fs. 4			Fs. 27	Ft.	In.	- Brought forward	Fs.	Ft.	In.	Fs. 42	Ft.	In. 11
Blue metal	ō	5	7		_	-	Thill	0	4	4		-	11
COAL-3/4 Seam	ŏ	2	6				Post	ĭ	5	6			
OORL-0/4 Stam	_		_	5	5	6	Blue metal and iron-	-	Ü	U			
Post	0	1	6	•	•		stone	3	2	0			
Blue metal	3						COAL - Little Coal		ĩ				
COAL — Main Coal	0		8				SOME Britte Cour	U	-	G			
COAL = Main Coat		0		4	1	2				_	6	1	6
Thill	0	3	-0	-		_	Post	1	0	6			
D 4	0	2	8				Grey metal	ī					
Post Whin	0	4	6				COAL - Stone Coal			0			
	-	2	8				Stone Stone	Ü	_	0			_
Blue post	0										3	2	0
Metal and iron	3	0	0										
COAL - Foot Seam	0	1	1	-	-								
				5	.1	11							
				_			+						
Carried for	war	d		42	4	11	Total				52	2	5
							1			=		_	=

# No. 1,900.—SUNNISIDE.

# TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata sunk at Sunniside Colliery. October 19th, 1846.

~ **				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1	0				Brought forward 4 1 5 11 2
Clay	1	0	0				Blue metal 1 5 10
Gravel	1	4	0				COAL—Top Coal 0 2 0
Blue clay	1	3	8				6 3 8
Gravel		3 2 3	0				Thill 0 3 10
Grey metal	2		7				COAL 0 0 11
Grey post, with water	0		0				0 4 9
Grey metal	0	2	10				Thill 0 5 3
COAL—Ballarat or							Black stone 0 0 3
Top Busty Seam	0	1	10				Blue metal 4 2 10
			_	8	1	11	Post, with metal part-
Thill	0	3	10				ings 1 0 0
Grey post	0		6				Dark metal 1 1 0
Grey metal	0	5	8				Main Coal or Brock-
COAL-5/4 or Botton	ı						well Seam—
Busty Seam	0	3	10				Ft. In.
				3	0	10	COAL, good 3 9
Thill	0	4	5				COAL, splint 0 3
Grey metal, with post							0 4 0
girdles	1	2	0				8 1 4
Grey post, with water	0	4	0				Thill and post 2 0 0
Grey metal	1	3	0				
Carried forward	4	1	5	11		9	Total 29 0 1

## No. 1,901.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 93 of Ordnance Map. Lat. 54° 44′ 56", Long. 1° 46′ 15".

Section of Strata sunk through in the New Sunniside Pit, Pease's West Collieries. 1867.

Approximate surface level 810 feet above sea (Ordnance datum).

	Fs.	Ft.		Fs.	Ft.	In.		Fs.	Ft.		Fs.		
Clay	. 4	2	6				Brought forward	1		_	15	0	10
Soft blue metal	. 1	0	5				Hard post	2	3	8			
COAL	. 0	1	1				Blue metal	2	3	0			
				5	4	0	COAL	0	1	1			
Soft blue metal	. 1	0	0								6	5	5
COAL	. 0	0	8				Strong comme	Λ	3	0			
				1	0	8	Strong seggar Blue metal	0	1	7			
Soft metal	. 0	3	2					_	3	2			
COAL, with ston	-						Mild seggar	0	1	8			
band	_	3	0				COAL	0	1	8	•		
Metal		1									2	3	5
COAL			10				Strong seggar	0	5	6			
COAL				1	2	0	Strong white post	7	1	0			
Soft metal	. 0	1	4	1	-	0	Blue metal	ò	1	0			
-		3	_				COAL - Main Coal	-	_	_			
		5	0				Seam	0	3	10			
		9	U								8	5	4
COAL—Ballarat		,	10				Dh				0		
Top Busty Seam	. 0	1	10		_	0	Dark seggar and iron-	,		0			
T	-		_	4	5	2	stone	ī	4	0			
Blue metal	_	4	3				Metal and post girdles		3	0			
COAL-5/4 Seam.	. 0	2	9	_	_	_	Strong post	0	4	6			
		_		2	1	0	Dark metal	0	2	6			
Seggar	. 1	0	0				Strong post	0	4	8			
Metal	. 0	3	8					_		_	4	0	8
Carried forward	1	3	8	15	0	10	Total			4	*37	3	8

<sup>\*</sup> Approximate sea level 584 feet 4 inches below this.

# No. 1,902.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Account of a Boring upon Sunniside, near Hedley Hope. July 14th, 1836.

Clay Fs. Ft. In. Fs. 3 0 0	Ft. In. Brought forward 6 3 8
Black stone, with	Grey metal 0 4 0
water 1 0 0	COAL 0 1 10
Grey metal 0 3 0	<del></del>
White metal 1 2 2	Grey thill 0 1 8
Strong white post 0 4 6	Strong blue stone 3 1 4
Carried forward 6 3 8	Carried forward 3 3 0 7 3 6

## No. 1,902.—SUNNISIDE.—CONTINUED.

Brought forward		Ft.		Fs. 7	Ft.	In. 6	Fs. Ft. In. Fs. Ft. In. Brought forward 0 5 0 27 5 2
	9	J	U	•	o	U	Strong white post
	0	1	6				girdles 1 0 0
	2	ō					Strong blue stone, with
Dark metal	0	0	8				0 7 0
COAL	U	U	0	6	Δ		
~	_	-	_	o	0	0	
Grey metal, with water	0	2	0		-		
Shivery post	0	1	6				
Dark grey metal	1		10				<del></del>
Shivery post	0	2	6				Grey thill 0 3 10
Strong white post	2	2	0				COAL, danty 0 2 0
Shivery post	0	2	8				0 5 10
Grey metal	0	0	10				Grey metal 0 3 9
Ft. In.							Strong white post,
COAL 3 5							with water 6 4 0
Band 0 5							Grey metal 1 3 3
COAL, splint 0 7							COAL 0 3 2
	0	4	5				9 2 2
4			_	6	2	9	Grey metal 2 0 6
Thill	0	1	0	-	_		Shivery post, with
Black stone	ŏ	ĩ	2				water 0 3 0
Grey metal	ŏ	3	5				White post, with water 0 1 4
COAL	ŏ	ĭ	1				Grey metal 0 3 6
COAL			_	1	0	8	D 1
Grey metal	2	0	0	-	•	U	0.00
	2	ŏ	ŏ				111
Grey post Black stone	0		4				J
COAL	_	$\frac{0}{2}$	_				0.00
COAL	0	Z	0				9-1
G (1.2)	_		_	4	2	4	White post 0 2 4
Grey thill	0	0	6				Grey metal 1 4 0
Black stone	0	1	6				Black stone 0 2 5
Grey metal	Ç	4	0				Ironstone 0 0 3
Strong post girdles	0	0	9				Black stone 0 1 4
Blue stone	0	<b>2</b>	3				Grey metal 1 3 9
Grey post	0	1	9				COAL 0 2 7
COAL	0	3	<b>2</b>				10 1 11
				2	1	11	Grey thill 0 1 11
Black stone	0	1	3				Shivery post 0 3 7
Grey metal	ŏ	3	9			_	Strong white post 0 4 0
	-	-	-				1 3 6
0 . 10	_		_		_	_	m.,
Carried forward	0	5	0	27	5	2	Total <u>54 3 7</u>

# No. 1,903.—SWARLAND.

### TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. , Long.

An Account of Strata bored through at Swarland Hall. No. 1 Borehole at bottom of large Cistern. By Edward Wilkinson.

Freestone Blue clay Blue metal		1	0	6	s. Ft. In.	Brought forward 2 1 10 Hard post 0 1 7 Grey metal 0 4 4
Carried	forward	2	1	10		Carried forward 3 1 9

# No. 1,903.—SWARLAND.—CONTINUED.

No. 1,905	-6 W A1	W.L.4.4	and.—	OUN	111	OED.			
Brought forward 3 1 9 Light grey post 0 1 8 Grey metal and post 0 4 7 White post 0 0 9 Grey post 0 0 8 Blue metal 0 3 4 White post 0 1 5  Carried forward 5 2 2	Fs. Ft. In.		Bron Hard gre Blue met Hard pos Blue met	y pos al . at .		ward  	$     \begin{array}{ccccccccccccccccccccccccccccccccc$	2	8 1 11 8 1 11
	No.	. 1,	904.						
	No. 2	Во	rehole.						
					Fs.		Fs. F	t. In.	
Soil and clay	•••	•••	•••	•••	0	1 0			
Loamy sand, with water		•••		•••	0	2 6 5 6			
Blue and black marl	•••		•••		ĭ	1 0			
Hard post	•••		•••		0	3 0			
Blue metal	•••	•••	•••	•••	1	0 0			
Soft blue metal	•••	•••	•••	•••	0	2 6		9 6	
							4	3 6	
	Total	•••	•••	•••			4	3 6	
			905.						
	No. 3	Ba	rehole.						
Yellow clay					Fs. 0	Ft. In 2 6	ı. Fs.	Ft. In	l•
Sand and water	•••				ŏ	3 6			
Clay and stone	•••				0	1 7			
Hard freestone	•••	•••	•••	•••	0	1 7			
Grey metal Blue metal	•••	•••	•••	• • • •	0	$\frac{4}{3} \frac{6}{10}$			
Blue metal	•••	•••	•••	•••	_		2	5 6	
	Total	•••	•••			•••	2	5 6	
									7
	- No	. 1,	906.						
	No. 4	Be	orehole.						
						Ft. In.		t. In.	
Soil and clay				• • • •	0	2 0			
Clay Sand and water	•••				0	4 0 0 9			
Clay	•••		•••		ŏ	3 0			
Large tumbling stones					<u>0</u>	4 8		2 5	
	Total		•••				2	2 5	

D D

# No. 1,907.—SWARLAND.

### No. 5 Borehole.

Clay Freestone	 •••	•••			Fs. Ft. In. 1 0 10 0 5 6		Ft.	
		Total	•••	•••	 •••	2	0	4

# No. 1,908.

## Borehole No. 5A.

	Fs.	Ft.	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Tumbling stones and				Brought forward 11 4 0
sand	1	3	0	Blue post 0 5 3
Blue and grey metal	1	0	0	Iron girdle 0 0 11
White post	0	2	0	Blue metal 0 0 6
Grey metal				Very hard freestone
Grey post	0	5	0	post 0 2 9
Grey metal	0	3	0	Grey post 0 4 0
Blue metal and girdles				Blue metal 2 5 1
White post	ō	5	3	Whin and water at
Blue metal				top (1½ gallons per
Yellow sandstone and	•	·		minute) 1 2 0
a little water	2	2	0	Blue metal or shale 0 1 2
Blue metal				——————————————————————————————————————
	٠	~	· ·	20 1 0
				m . 1
Carried forward	11	4	0	Total <u>18 1 8</u>

# No. 1,909.

			No. 6	Bore	chole.	_		
Clay Freestone			•••				7s. Ft. In 1 1 0 0 4 6	3
						-		1 5 6
								1 5 6
	,		No	. 1,91	10.			
			No. 7	Bore	hole.			
Clay	•••	•••	•••	•••	•••	•••	•••	Fs. Ft. In. 1 0 10
			No	. 1,91	1.			
			No. 8	Bore	ehole.			
Clay	•••			•••	•••	•••	•••	Fs. Ft. In. 1 1 0
			No	. 1,91	2.			
			No. 9	Bore	hole.			
Clay					•••		•••	Fs. Ft. In. 1 0 4

# No. 1,913.—SWARLAND.

			No. 10	) Bor	ehole.			
Clay								1. Fs. Ft. In. 4
Freestone	•••	•••						8
Blue metal	•••	•••	•••	•••		•••	0 2 1	0
								- 1 5 10
		Total	•••	•••	•••	•••	•••	1 5 10
			No	. 1,91	4.			
			No. 14					
- ,	• . •	30443					Fs. Ft. I	n. Fs. Ft. In.
Loamy sand,				•••		•••		0 0
Freestone Blue metal	•••	•••	•••	•••	•••	•••		0
Ditte metal	•••	•••	•••	•••	•••	•••		- 2 5 0
				,				
		Total						2 5 0
			No.	. 1,91	5.			
			No. 18	-				
			100. 16	Bore	enote.			Fs. Ft. In.
Loam and gr	avel, w	vith a li	ittle wa	ter	•••	•••	•••	1 4 0
			No.	. 1,91	6.			
			No. 16	Bore	ehole.			
Clar								n. Fs. Ft. In.
Clay Loamy sand,	with o	liftla	water		•••	•••		4
Freestone	W 1011 6	• • • • •	water	•••		•••		5
Blue metal			•••		•••		0 2 1	Ó
								- 2 5 10
		Total	•••	•••	•••	•••	•••	2 5 10
			No.	1,91	7.			
			No. 17					
C1							Fs. Ft. I	n. Fs. Ft. In.
Clay	 mhlina	···	•••	•••	•••	•••	0 2 0	
Loam and tu	momig	reesu	oně	•••	•••	•••	1 4	200
		Total						2 0 0
			NT.	1 01	0			
			Mo.	1,918	<b>5.</b>	**		
			No. 18	Bore	hole.		TO , TOL T.	. Fs. Ft. In.
Clay							0 3 0	
Loam and tur	mbling	freesto					1 5 2	
	8					-		2 2 2
		FP1 -						
		Total		•••	•••			2 2 2

## No. 1,919.—SWARLAND.

#### TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. 55° 19' 25", Long. 1° 45' 1".

An Account of Strata bored through at Swarland Hall, at the Pond West of Saw Mill.

Approximate surface level 510 feet above sea (Ordnance datum).

Soil and clay		 		 Fs. Ft. In	n. Fs. Ft. In.
White freestone		 		 6 4 (	)
Yellow freestone		 		 146	3
Dark marl stone		 		 $0 \ 2 \ 6$	•
					- 10 3 0
	Total	 	•••	 	*10 3 0

<sup>\*</sup> Approximate sea level 447 feet below this.

# No. 1,920.—SWINDON.

TOWNSHIP OF HEPPLE DEMESNE, NORTHUMBERLAND.

Sheet 43 of Ordnance Map. Lat.

, Long.

Swindon Colliery, near Hepple, six miles West of Rothbury.

Yellow freestone COAL	4 (	t. In. 0 0 1 0	Fs.	Ft.	In.	Brought forward 1 5 0 6 5 0  Blue metal 1 0 0  White stone 0 1 8
Grey metal stone	1 (	0 0	-	_	·	Blue metal 0 4 0
Grey freestone		3 0				Beddy freestone 1 0 0
Light blue metal	1 (	0 0				Black stone, mixed
Ft. In.						with coal 0 2 0
Grey metal 0 2  GOAL 0 2  Grey metal	0 1	1 0	2	4	0	COAL 0 8  "Chick stone,"  very hard 0 6  COAL 0 9  White metal 1 0  COAL 0 10
Grey stone		4 0				0 10 — 0 3 9
Light blue metal Ironstone or lizard		3 0				5 4 5
stone	0 2	2 0				
Carried forward	1 8	5 0	6	5	0	Total <u>12 3 5</u>

# No. 1,921.—TALKIN.

### TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat.

, Long.

Sinking Account of the Blackside Pit, Talkin Colliery.

Approximate surface level feet above sea (Ordnance datum).

Soil, clay, etc. Plate and shale Strong freestone Plate and shale Freestone Plate and shale Limestone	 2 3 2 1 8	$0 \\ 0 \\ 4 \\ 0 \\ 2 \\ 3$	0 0 0 0 4	Fs. Ft.	In.	Brought forward 24 2 11 Plate and strong shale 1 4 0 Freestone 3 0 0 Strong grey plate 2 3 0 COAL 0 3 3 32 1 2
Carried forwa			_			Total 32 1 2

# No. 1,922.—TALKIN.

#### TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

Sunk and Bored at the Dove Pit, in Talkin Colliery.

~ .	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk:—							Brought forward 10 2 6 13 1 0
Clay, mixed with tum-							Brown post 0 2 6
bling stones	5	0	0				Grey post girdles 0 3 4
Blue plate	1	1	0				Brown post girdles 0 5 0
Brown post girdles							Blue metal 0 1 0
Blue metal stone	6	5	0				Grey post girdles 0 1 6
				13	1	0	Blue plate 4 4 8
Bored:—							Limestone, with gul-
Strong dun white post	0	4	0				lets 2 0 0
Blue plate	3	õ	10				Add error 0 0 6
Strong dun post							Yellow post girdles 0 1 6
Blue plate	ĭ	5	4				COAL 0 0 5
Strong brown post	ñ	3	Ř				19 4 11
Strong yellow post							Grey thill 0 1 6
Cashy parting, 3 ins.	U	-10					
							Blue plate 1 0 8
brown post, with	_	_	_				COAL - Craw Coal 0 0 8
rellow gallets	<b>2</b>	0	8				1 2 10
White post girdles	0	2	9				1 2 10
0 1.10 1			_	10	_	_	0 114 1 01 01
Carried forward	10	<b>2</b>	6	13	1	0	Carried forward 34 2 9

## No. 1,922.—TALKIN.—CONTINUED.

Brough Blue plate the Grey plate Blue plate Grey plate Blue plate		0 0 0 0	1 (	) 3 7	Ft. 2		Brou Grey plate Blue plate COAL	·	•••	$\begin{matrix} 1 \\ 0 \\ 2 \end{matrix}$	5 3 3	9 0 2		2	9
	forward				2	9		Total				· <u>-</u>	40	0	0

## No. 1,923.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

Section of Strata lying below the Talkin Coal, at Croglin Fell.

Approximate surface level feet above sea (Ordnance datum).

		Fa	174	Tn	Fs.	T/4	Tn	Fs. Ft. In. Fs. Ft. In.
Limestone		7	0	0	ES.	E U.	ш.	Brought forward 22 1 3
Sandstone		3	o	0				Coarse gritty red sand-
Plate		3	3	0	-			stone 3 0 0
Yellow limeston	е	5	0	0				Plate 2 3 0
Coarse gritty	sand-							Black limestone 0 5 0
stone		2	0	0				Sandstone 5 0 0
Plate		1	3	0				Plate and limestone 3 3 0
COAL (worke	ed at							Whin or basalt 3 0 0
Croglin for bu	ırning							Black limestone 6 4 0
lime)		0	1	3				Freestone 1 3 0
•				-	22	1	3	Into limestone. ————————————————————————————————————
Carr	ied for	wai	d		22	1	3	Total 48 1 3

### No. 1,924.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

Bored at Blacksike, South of Turnpike, in Talkin Colliery.

Box, etc Fs. Ft. In. Fs. Ft. In. 3 0 0	Brought forward 4 1 0
Brown and grey post 0 5 0 Grey metal, with post	Brown and grey post 0 2 0 Grey metal, with gir-
girdles 0 2 0	dles 3 3 0
Carried forward 4 1 0	Carried forward 8 0 0

# No. 1,924.—TALKIN.—CONTINUED.

Brought forward			In. Fs	. Ft	. In.	Brought forward 17 4 0	In
Brown post			ő			Grey metal stone 4 0 0	
						Gullety limestone 3 1 6	
Whin gullet Brown post	ĭ	9	6			Blue grey metal stone 0 5 3	
Grey metal, with lumps	•	_	U			S .	
or girdles	1	4	0			COAL Ft. In.	
Brown and grey gul-		-TE	U			COAL, foul 0 3	
lety post, and set						—— 0 1 5	
away the water	0	1	0			${}$ 26 0	o
Strong white post		1	8			Grey metal 0 0 3	4
Strong white post	U	ı	0				
mixed with whin	Ω	0	O.			Strong grey post gir- dles, with metal	
A metal parting		0	6				
Strong white post,	U	U	O			partings 0 4 0	
mixed with whin	0	0	O			A metal parting 0 0 6 Strong whin 0 1 8	
Strong metal stone,	U	U	9				
with whin	2	2	0			Strong post girdles,	
		2	2			with metal partings 0 3 6 Strong whin 1 4 0	
Strong metal stone		3 1	3			Strong whin 1 4 0	
Strong whin		0	6			A parting "0 0 6	
A metal parting	U	U	О			Strong white post,	
Strong white post, mixed with whin	Ω	o	c			mixed with whin 0 2 7	
			$\frac{6}{7}$			Strong grey metal	
Strong whin		0	9			stone 2 0 4 COAL 0 3 3	
A metal parting			-				-
Strong whin	U	0	6			In grey metal 6 2	7
Strong post, with part-	^		-			In grey metal 0 1	b
ings	0	4	7				
Carried forward	17	4	0			Total 32 4	9
Carried forward	1/	4	U			10001 52 4	

# No. 1,925.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata at East Tanfield Colliery. 1844.

Soil Strong blue clay		1		Fs.	Ft.	In.	Brought forward 3 1 6 10 2 7 Grey post girdle 0 0 11
Gravel and tumblers	1	0	0				Blue stone 0 1 8
Quarry freestone	3	1	6				Grey post girdle 0 0 8
Soft blue stone, very							Black stone 0 0 7
shivery	1	0	6				Low Main Seam—
Hutton Seam- Ft. In.							Ft. In.
COAL 6 2							COAL 3 8
Band 0 2							Band 0 2
COAL, coarse 3 0							COAL 0 6
	1	3	4				<u> </u>
				10	<b>2</b>	7	<del> 4 3 8</del>
Thill stone	Û	1	6				
Grey metal	3	0	0				
-							•
Carried forward	3	1	6	10	<b>2</b>	7	Total 15 0 3

### No. 1,926.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 24″, Long. 1° 41′ 50″.

Account of Strata sunk through in Engine Pit to Busty Bank Seam, East Tanfield Colliery.

Soil Clay and tumbling stones Freestone, with metal partings Top blue stone Hutton Seam — Ft. In. COAL 6 4 COAL, coarse 3 0  Thill stone Grey metal Grey post girdles Soft blue stone Post girdles Black stone Low Main Seam — Ft. In.	Fs. Ft. In. Fs. Ft. In. 0 1 0 0 5 8 8 2 8 1 0 4  1 3 4 0 1 4 3 0 6 0 0 11 0 1 8 0 0 9 0 0 6	Brought forward 9 0 3 28 4 11  White post, with water Grey post, with metal partings 2 4 1  Black stone 0 2 3  COAL 0 2 0  Dark seggar clay 0 1 10  Strong white post 0 1 10  Strong white post 0 3 0  Post and metal partings, with whin balls Blue metal 0 3 4  COAL 0 3 0  Post and metal partings, with whin balls Blue metal 0 3 0  Whin girdle 0 3 0  Grey metal, with whin
Fire clay	0 4 4 4 0 0 5 0 0 2 0 0 0 2 5 4 0 0 0 10 0 0 3 0 0 0 2 0 0 0 5 9 0 1 6 3 5 5 5 0 1 1 1 5 11	and post 3 4 9 White post 1 2 3 Metal 0 1 9  COAL 1 0 Band 0 1½ COAL 0 1½ Band 0 1 COAL 1 0  Dark seggar clay 0 3 8 COAL 0 0 4 Dark grey metal 0 2 6 White post 0 4 3
Post	0 1 3 11 0 0 6 2 4 8 0 1 0 1 5 5 0 2 0 1 2 7 0 3 1 0 0 10 0 2 1 0 2 9 0 1 0	COAL 0 0 5½  Band 0 0 4  COAL, slaty 0 0 6½  Dark thill stone 0 2 1  Post 4 0 0  Busty Bank Seam—  COAL 2 9  Seggar clay 1 1½  COAL 0 4½  Grey metal 2 4  Post 1 6  COAL 2 7  ——————————————————————————————————
Carried forward	9 0 3 28 4 11	Total <u>*59 1 3½</u>

<sup>\*</sup> Approximate sea level 125 feet below this.

### No. 1,927.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Strata bored through from the Busty Bank Seam, at East Tanfield Colliery.

December 3rd, 1859.

Approximate surface level	feet above sea	(Ordnance datum).

Depth to Bi	ısty .	Bank Se	eam				Fs.	Ft.	In. Fs. 59	Ft. 2	In.
~ 1							0	1	6		
Hard white							10	0	5		
Black stone		•••	•••				0	1	6		
						Ft. In.					
COAL						2 4					
Splint				•••		0 6					
•							0	2	10		
							_		11	0	3
				Total	• • •				70	2	3

### No. 1,928.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring Note at Tanfield Lea, in Mr. Spearman's Ground, on the side of the Hill to the North of the Hall. 1732.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil and channelly	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 0
clay, with water 1 0 0  Soft clay, mixed with sand 2 0 0  Sandy gravel 0 3 0	COAL Ft. In. Black slate, mixed with
Stony clay 4 3 0 Sand, with some water 0 2 0 Stony clay 1 3 0 Brown ramble 0 3 0	coal 1 2 Blue metal 2 6 COAL 1 6 Black metal, mixed with
, , , , , , , , , , , , , , , , , , ,	coal 1 4 1 2 2 11 4 2
	In brown and grey metal stone 1 4 0
Carried forward 10 2 0	Total <u>13 2 2</u>

## No. 1,929.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

### Bored at Tanfield Leigh, in the middle of a Bank North of the Hall. 1732.

	0 . 1	(0.1
Approximate surface level	feet above sea	(Ordnance datum)

	Fs.	Ft.	In.	Fs. F	t. In.	Fs. Ft. In. Fs. Ft. In.
Soil and stony clay,						Brought forward 12 1 0
with some water	3	3	0			Grey metal $0 4 0$
Post girdles and gra-						Ft. In.
vel partings, and						COAL 6 2
set away the water	0	3	0			Black metal 0 5
Open brown and red						COAL 0 9
post, with black and					ĺ	1 1 4
brown partings	5	0	0			<del> 14 0 4</del>
Brown and grey metal	0	3	0			Blue metal 0 0 5
Soft brown and grey						
post with blue part-						
ings, with water	2	4	0			
0 ,					1	and the second s
Carried forward	12	1	0			Total 14 0 9
0411104 201 11414		_	-			

### No. 1,930.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

### Bored at Tanfield Lea, in Mr. Spearman's Ground, near the Lane in the Bottom. November 20th, 1733.

Approximate surface level	feet above sea (Ordnance datum).
Brown soil 0 1 6 Brown stony gravel 0 2 0	Brought forward 12 1 6 Ft. In.
Brown and black stony clay 5 4 0 Brown scamy post,	COAL 0 6   A hard lump or   girdle 0 1
with grey girdles 2 1 6 Open brown scamy post, and set away	Grey metal, mixed with
the water 1 3 0 Brown and grey scamy	coal 0 3 COAL 1 3
metal 2 1 6	In grey metal $\begin{array}{cccccccccccccccccccccccccccccccccccc$
Carried forward 12 1 6	Total 13 3 3

# No. 1,931.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Loug.

Bored at Tanfield Leigh, South-east from the Hall. 1735.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown clay				Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 0
Blue stony clay, mixed with sand Grey and brown sandy	6	0	0		COAL 5 3 Black and grey
ramble, with water that rose 3 fathoms in the hole	0	5	0		metal 0 3 COAL, foul 0 9 COAL 1 0
White and brown sandy post girdles, with sandy partings					Grey metal 1 1 3 0 0 9 11 4
and water	2	4	6		
Carried forward	10	2	0		Total 11 4 (

## No. 1,932.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring in Mr. Spearman's Ground, in the North-east part, near Mr. Davison's Ground.

Approximate surface level

feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In	Fs. Ft. In. Fs. Ft. In
Soil and channel, with					Brought forward 5 4 6
water	1	4	0		Open brown post with
Clay	0	4	0		water, and set away
Sand, with water					the top leaders 1 0 0
Gravel	2	3	0		Brown and grey post 1 4 0
					Grey and brown post,
Sandy ramble A grey girdle	ŏ	ŏ	6		with metal partings 1 0 0
Grey and brown ramble	ŏ	ĭ	ő		Grey and blue metal 2 2 0
Brown and grey post,		-	·		COAL 1 1 6
with partings					In grey thill 0 0 3
with partings					111 grey thin 0 0 3
					13 0
C	_	4	_		m 4.1
Carried forward	5	4	О		Total 13 0

### No. 1,933.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring in the Springwood, near Tanfield Leigh, for the use of G. Spearman, Esq. April 13th, 1742.

Approximate surface level feet above sea (Ordnance datum).

Soil and sand, with water Brown and blue stony clay Sand and channel, with water Brown and blue stony clay Grey metal COAL, soft  Soft grey metal White and brown scamy post, with water White and brown gullety post	$0 \\ 0 \\ 0 \\ 5 \\ 0 \\ 0 \\ 1$	2 3 3 2 0 0 3 3	6 0 0 6 3 6 0	6	Ft.		Brought forward 3 0 0 6 5 9  White post, with water 3 4 0  Grey stone 0 0 4  Shield Row Seam—  Ft. In.  COAL, with water 5 0  Grey metal 0 2  COAL, mixed with grey metal 0 9  COAL 1 0 7 5 3  In grey thill 7 5 3
Carried forward	3			-	5 5	9	Total 15 0 2

### No. 1,934.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in Tanfield Leigh Ground. October 23rd, 1754.

Soil and brown clay Stony clay	Fs. Ft. In. Fs. Ft. In 0 1 6 0 4 0 1 2 0 0 1 6 0 1 6
Total	2 3 0

### No. 1,935.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in Springwood, Armstrong's Low Field, near Tanfield Leigh.
October 31st, 1754.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Brought forward						In.
										10	T	0
	U	U					U	U	U			
							Ω	1.	0			
0	4	0				Grey nost with water	ŏ	3	ñ			
						Grey metal stone	ñ	2	6			
		_	Q	Ω	Δ	COAL	ñ	ñ	10			
			J	U	U				.,	6	2	1
						Grey metal	0	3	6	•	~	ш
							0	Ü	•			
							4.	2	0			
4	1	0				Grey metal	õ	2	ŏ			
~	^	·					Ŭ	_	•			
							0	0	4			
						Hard Coal Seam-	•	-				
						Ft In						
1	0	8				COAL 4 5						
			5	1	8		0	4	8			
1	4	4								6	0	6
0	0	6				Grey metal, mixed			-			
						with coal		0	6			
						Grey metal						
						In grey metal stone	0	2	0			
	1	0								0	3	0
0	0	8								_		
_	_		19	1		Total				26	1	6
	0 1 0 6 	0 2 1 0 0 4 6 0 1 4 1 1 0 0 0 1 4 0 0 0 1 1 4 0 0 0 1 1 0 0 1 1 1 1	1 0 8 1 4 4 0 0 6 1 0 8 1 4 4 0 0 6	0 2 0 1 0 0 0 4 0 6 0 0 	0 2 0 1 0 0 0 4 0 6 0 0 	1 0 0  0 4 0 6 0 0 4 1 0  1 0 8 1 4 4 0 0 6  2 1 0 0 0 8	Brought forward White and grey post. Grey metal stone, with post girdles Grey post, with water Grey metal stone Grey metal stone Grey metal stone, with post girdles Grey metal stone Grey metal stone, with post girdles Grey metal stone, with post girdles Grey metal Grey metal Grey metal, mixed with coal Hard Coal Seam—    1 0 8	Brought forward   4	Brought forward   4   0	Brought forward 4 0 6 White and grey post. 0 3 6 Grey metal stone, with post girdles 0 4 0 Grey metal stone 0 2 6 COAL 0 0 10 Grey metal stone, with post girdles 4 2 0 Grey metal stone, with post girdles 4 2 0 Grey metal 0 0 0 4 Hard Coal Seam—    1 0 8	Brought forward 4 0 6 13 White and grey post. 0 3 6 Grey metal stone, with post girdles 0 4 0 Grey metal stone 0 2 6 COAL 0 0 10 Grey metal stone, with post girdles 4 2 0 Grey metal 0 3 6 Grey metal stone, with post girdles 4 2 0 Grey metal 0 2 0 Grey metal 0 2 0 Grey metal, mixed with coal 0 0 0 4 Hard Coal Seam—  COAL 4 5  COAL 4 5  Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 0 0 0 6 In grey metal stone 0 0 0 6 In grey metal stone 0 0 0 6 In grey metal stone 0 2 0	Brought forward 4 0 6 13 1 White and grey post. 0 3 6 Grey metal stone, with post girdles 0 4 0 Grey metal stone 0 2 6 COAL 0 0 10  Grey metal 0 3 6 Grey metal stone, with post girdles 4 2 0 Grey metal 0 0 0 4  Grey metal 0 0 0 4  Hard Coal Seam—  COAL 4 5  COAL 4 5  Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 4 5  Grey metal, mixed with coal 0 0 0 6 Grey metal, mixed with coal 0 0 0 6 Grey metal 0 0 0 6 In grey metal stone 0 2 0

### No. 1,936.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Second Place in Armstrong's, Springwood, near Tanfield Leigh. February 26th, 1755.

Soil Fs. Ft. In. Fs. Ft. In. Stony clay 0 1 0 Gravelly clay, with a spring of water 0 1 0 Stony clay 0 1 0 Stony clay 6 4 0  7 4 0	Brought forward Soft brown and grey ramble 0 1 6 Soft brown and grey scamy metal 0 2 0 COAL, soft foul 0 0 6
Carried forward 7 4 0	Carried forward 0 4 0 7 4 0

# No. 1,936.—TANFIELD.—CONTINUED.

Brought forward Soft grey and brown		199	0	7	4	0	Brought forward				19	3	In.
8-5		_	Ť				Black grey metal,				-0	Ü	_
scamy metal	1	1	0				mixed with coal	0	0	2			
COAL - Hard Coal							Grey scamy post, with						
Seam	-	4	11				metal partings	0	3	O			
	_			2	3	11	Blue grey metal		4				
Grey and brown scamy							Grey scamy post, with						
metal		0	4				metal partings and						
COAL, foul brassy,								1	5	0			
mixed with metal	0	0	6				Blue grey metal stone	1	4	0			
Soft dun metal Grey metal	0	0	5				Grey scamy post Grey metal	0	4	0			
Grev metal	2	4	0				Grey metal	1	1	0			
White post, and settled							Lirey post, with metal						
the top feeders	0	1	6				partings Blue grey metal Strong white post	0	5	0			
Grey metal, with post							Blue grey metal	0	<b>2</b>	0			
girdles and water	2	2	0				Strong white post	1	<b>2</b>	6			
Grey post, with metal							Grey metal, with gir-						
partings	0	4	6				dles or lumps	0	5	0			
Grey metal, with post							Black and blue metal,						
girdles or lumps	<b>2</b>	1	4				with water	0	4	0			
Brass Thill Seam-							Grey metal stone, with						
Ft. In.							post girdles	0	4	0			
COAL 2 0							In white and brown						
Brass of coal 0 4							post	0	3	0			
COAL 2 4		:	0								11	4	- 8
	0	4	8	^	•								
			_	9	1	3							
Carried for	waı	rd		19	3	2	Total				31	1	10

# No. 1,937.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of a Boring in the Third Place in Springwood, about 130 yards to the North from the Second.

Soil and sandy clay	0	Ft. 3	0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Shought forward 5 4 6 7 3 8 Shield Row Seam—
Strong clay COAL, foul	ó	0	8	-	3	8	COAL 5 0
Brown and grey scamy		1	_	1	Э	0	Grey slaty me- tal 0 3
metal Grey metal	0	3	6				COAL 0 4 Grey metal,
White and grey scamy post, with brown							scared with
scamy partings and water	5	0	0				COAL 1 0 1 0 10
							6 5 4
				_			In grey metal 0 1 0
Carried forward	5	4	6	7	3	8	Total 14 4 (

### No. 1,938.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring in the Fourth Place in Springwood, about 100 yards to the South east from the Third Place.

Approximate surface level feet above sea (Ordnance datum).

Soil and leafy clay	Fs.		In. 0	Fs.	Ft.	In.	Brought forward 1 5 6 8 5
Gravel and sand, with water	0	1	6				Grey metal stone, with scamy partings and
Strong clay							water 2 2 0
Soft clay, mixed with							Grey post 1 0 0
sand	0	1	6				Grey metal, with black
Strong clay	0	3	8				scames near the
COAL, foul	0	0	4				bottom 3 1 0
				3	1	0	COAL—Brass Thill
Stony clay	5	3	0				Seam 0 5 1
COĂL, foul	0	1	0				9 1
			_	5	4	0	Blue metal, scared with
Strong clay	0	3	3				coal 0 0 3
Grey and brown scamy metal	0	5	6				Grey metal 0 1 6 0 1
Grey and brown scamy post	0	2	9				
Carried forward	1	5	6	8	5	0	Total 18 2

### No. 1,939.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DUBHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in Tanfield Leigh Ground, to the East from the Tenant's House about 250 yards. June 16th, 1760.

Soil and gravelly clay 0 3 0 Soft leafy clay, with small beds of sand 5 0 0 Gravelly clay, mixed with sand and water 0 4 0	Brought forward 6 1 0 Sand 0 2 0 Gravelly clay 0 2 0 Stony clay 1 1 0 Leafy clay 1 1 6	. In.
Carried forward 6 1 0	Carried forward 9 1	- 6

### No. 1,939.—TANFIELD.—CONTINUED.

0	5		9	1	6	Brought forward A hard dun girdle or lump				10	5	9
0	5						Λ	_				
0	5											
0	5	6				Black metal, mixed	U	U	1			
0	9					with coal	Λ	Ω	1			
v	(1)	5				COAL, with water	0	4	- <del>(1</del> )			
	U	J				OOAL, with water	. •	4	9	7	0	3
						Bluels motel general				1	U	0
							0	Λ	c			
						Crey metal	0	1	o			
							U	3	О			
							0	a	c			
0	1						U	2	О			
U	Т	4	1	4	9							
			1	4	3							
0		0				post girdles and wa-	-		0			
U	Z	U										
							_					
U	z					COAL	0	4	7	_		_
	Ü	0				***	_		_	_	4	O
4	Z	6					U	0	6			
		_										
0	0	5				girdles or lumps	0	3	0			
										0	3	6
6	1	5	10	5	9	Total				28	1	6
	0 1 4 0	0 2 0 2 1 0 4 2 0 0	0 2 0 0 2 6 1 0 0 4 2 6 0 0 5	0 2 0 0 2 6 1 0 0 4 2 6 0 0 5	0 2 0 0 2 6 1 0 0 4 2 6 0 0 5	1 4 3 0 2 0 0 2 6 1 0 0 4 2 6 0 0 5	Grey metal Grey metal stone Grey metal stone Grey post. with water at the bottom Grey metal stone and grey metal, with post girdles and water near the bottom Blue and black metal COAL Black slaty metal Grey metal stone, with girdles or lumps	with coal 0   Grey metal 0   Grey metal stone 0   Grey metal stone 0   Grey metal stone 0   Grey metal stone and the bottom 0   Grey metal stone and grey metal, with post girdles and water near the bottom 7   Blue and black metal 0   GOAL 0   Grey metal stone, with girdles or lumps 0   Grey metal stone, with girdles or lumps 0	with coal 0 0	with coal 0 0 6 6 Grey metal 0 1 6 Grey metal stone 0 3 6 Grey post. with water at the bottom 0 2 6 Grey metal stone and grey metal, with post girdles and water near the bottom Blue and black metal 0 0 9 COAL 0 4 7  Black slaty metal 0 0 6 Grey metal stone, with girdles or lumps 0 3 0	Black metal, seared with coal 0 0 6 Grey metal 0 1 6 Grey metal stone 0 3 6 Grey post. with water at the bottom 0 2 6 Grey metal, with post girdles and water near the bottom 7 2 8 Blue and black metal 0 0 9 COAL 0 4 7 Black slaty metal 0 0 6 Grey metal stone, with girdles or lumps 0 3 0 Grey metal stone, with girdles or lumps 0 3 0	Black metal, scared with coal 0 0 6 Grey metal 0 1 6 Grey metal stone 0 3 6 Grey post. with water at the bottom 0 2 6 Grey metal stone and grey metal, with post girdles and water near the bottom 7 2 8 Blue and black metal 0 0 9 COAL 0 4 7 Black slaty metal 0 0 6 Grey metal stone, with girdles or lumps 0 3 0  Total 0 3 0

### No. 1,940.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Second Place in Tanfield Leigh Ground, about 160 yards to the Northwest from the First.

Approximate surface level feet above sea (Ordnance datum). Fs. Ft. In. Fs. Ft. In. 0 3 0 Soil and brown clay ... Leafy clay ... Gravelly clay 1 0 0 ... ... 3 0 ... ... Stony clay ... 0 8 0 0

Total ...

8 0 0

# No. 1,941.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 59", Long. 1° 42′ 46".

# Bored in the Third Place in Tanfield Leigh Ground, about 450 yards to the Southeast from the Hall.

			_	_		_	1						-
Soil		Ft.		Fs.	Ft.	In.	Brought forward	Fs. 2			Fs. 15		In.
Soil Gravel, with water at	U	1	6				Grey metal stone	ő	4	3	10	5	4
and the second second	0	4	6				Black metal, mixed	U	*	J			
T 0 1	1	0	ő				with coal	0	0	9			
	1	U	U				α	0	ŏ	8			
Leafy clay, mixed with sand and water	1	0	0				Blue metal, scared with	U	U	o			
	0	3	ŏ				1	0	0	7			
Stony clay		1	6						ő				
Stony leafy clay		1	6				COAL, slaty	U	U	. 0	3	^	P7
Gravel	4	3	6				Blue metal, scared				J	U	-
Strong stony clay	_	3	О				Blue metal, scared with coal	0	^	0			
Ft. In.								U	0	0			
COAL 1 10							Blue metal, with scames of coal at						
COAL, foul 0 2								^		^			
COAL 1 4							bottom	0	3	0			
COAL, foul 0 2	_		•				Grey post, with black		_	_			
	0	3	6	_	-	_	cashy partings	1	U	0			
<b>.</b>			_	9	1	0	Strong white post,						
Brown and grey scamy	_		_				with a mixture of						
stony metal		1					whin in several						
Blue metal	O	4	0				places and some			_			
Grey post, with metal								16	4	0			
partings and brown	_		_				Black grey cashy me-		_	_			
scames	0	4	6					0		6			
Grey metal	0	1	6				Grey scamy post		4	9			
Grey post, with metal							Grey metal	0	0	6			
partings and brown							Ft. In.						
scames	1	0	6				COAL 6 8						
Grey metal	0	1	0				Black metal 0 1						
Black stone	0	1	0				COAL, with						
Grey metal and metal							small brass						
stone, with post							lumps or scames						
girdles	3	0	0				of brass 0 11						
Soft grey post	0	1	6					1	1	8			
COĂL	0	0	8							_	20	5	1
			_	6	4	<b>2</b>	Blue grey metal and						
Blue metal	0	0	1				metal stone	0	1				
Grey post, with metal							COAL	0	2	2			
partings	1	4	0								0	3	6
Strong white post	0	2	0				In black scamy stone				0	0	8
	_		_										`
Carried forward	2	0	1	15	5	2	Total			*	40	3	0
2011104 2011144	_	-	_		•	_	1			=			

<sup>\*</sup> Approximate sea level 279 feet below this.

### No. 1,942.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

### Account of a Boring put down to prove the Stone Head at Tanfield Lea New Winning.

Approximate surface level

feet above sea (Ordnance datum).

	$\begin{array}{cccc} 0 & 3 & 0 \\ 0 & 3 & 0 \\ 0 & 2 & 0 \end{array}$	Brought forward 2 4 0 Tumbling stone 0 3 11 Strong blue clay 5 5 0 Blue stone and grey
Clay Loamy sand		metal girdles $\dots$ 1 5 5 $\dots$ 11 0 4
Carried forward	2 4 0	Total 11 0 4

#### New Pit sunk where the Hole was bored.

				_	27	0	0
. •				_	27	0	0
From Top Seam to Brass Thill	 	9	0	0			
Depth to Top Seam from surface	 	18			rs.	P 6.	111.

### No. 1,943—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  52' 58'', Long.  $1^{\circ}$  42' 25''.

Sunk at Tanfield Lea Colliery, Engine Shaft. Begun March 3rd, 1830; finished November 25th, 1831.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset above surface						8	Brought forward 2 0 0 10 5 2
Brown clay	0	4	0				Grey post, with metal
Sand and clay							partings 1 2 0 COAL—Shield Row
Leafy clay	1	0	0				COAL - Shield Row
Sand and clay							Seam 0 1 1
Leafy clay							3 3 1
Sand and clay	0	4	0				Grey thill stone 0 5 0
Blue gravelly clay	4	1	0				Grey metal, with post
				8	3	6	girdles 2 0 0
Brown post	1	0	6				Grey post, mixed with
Grey metal	0	5	6				whin 1 0 0
			_				
Carried forward	2	0	0	10	5	2	Carried forward 3 5 0 14 2 3
							F F

### No. 1,943.—TANFIELD.—CONTINUED.

			_				
Brought forward				Fs. 14		In. 3	Fs. Ft. In. Fs. Ft. In Brought forward 17 0 2 3 37 5
Grey metal, mixed	U	U	•	12	~	Ü	1 777111
with post	2	4	5				0.00
COAL—5/4 Seam	õ		8				White
00AL-0/4 Seam	U	- 30		7	2	1	Shivery brown post 0 0 3
Thill stone	0	3	0	•	2	-	
Grey post, with water	1		ŏ				
	2		10				
	4	1	10				Plum pudding stone 0 0 8 White post 1 2 10
	0	4	0				
mixed with post	U	48	U				
Blue metal stone with			^				COAL—Hutton Seam 1 0 6
whin girdles	3	4	9				26 1 5
COAL—Brass Thill	^	4	^				Black stone 0 0 2
Seam	0	4	9	0	_		Little Coal Seam—
51.11				9	5	4	Ft. In.
Thill stone, mixed	_		^				COAL 0 10
with post	0	3	0				Black stone 0 1½
Oark blue metal stone,	_		_				COAL 2 4
mixed with post	0	3	0				$ 0 3 3\frac{1}{2}$
Frey post, mixed with	_	_	_				0 3 5
whin girdles	2	<b>2</b>	0				Grey metal 1 0 0
Blue metal, with whin	_		_				Post girdle 0 1 0
girdles	2	4	0				Grey metal 0 0 6
Oark blue stone	0	1	4				Post girdle 0 1 6
COAL, foul—Maud-							Grey metal 0 1 6
lin Seam	0	0	<b>2</b>				Post girdle 0 0 4
	_		_	6	1	6	Grey metal 0 4 0
Black stone	0	0	10				Post girdle 0 1 0
trong white post	2	0	6				Grey metal 0 4 4
Oark blue metal stone,							Main Coal Seam-
with whin girdles	2	0	8				Ft. In.
Vhite post	4	0	0				COAL 3 9
lue metal parting	0	0	4				Black stone 0 3
Vhite post	<b>2</b>	0	0				COAL, splint 0 4
hivery post	0	2	6				0 4 4
Brown post	6	0	71				4 0
rey metal parting	0	0	9				White thill stone 0 3
Carried forward	 17		 91	37	5	2	Total *69 2
Carrica for ward	.,	U	2	UI	J	4	10tal =09 Z

<sup>\*</sup> Approximate sea level 84 feet below this.

# No. 1,944.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Tanfield Lea New Pit, 600 yards West of Colliery. Begun September 30th, 1839.

Outset Soil			Fs.			Fs. 0	Ft. 3	In. 0	Brought forward 0 1 0 0 3 Yellow clay 0 5 0	n. 0
					_					-
Carr	ried forw	ard	0	1	0	0	3	0	Carried forward 1 0 0 0 3	0

# No. 1,944.—TANFIELD.—CONTINUED.

Brought forward	Fs. 1						Brought forward Fs. Ft. In. Fs. Ft. In. Br. It. In. It. In. In. In. In. In. In. In. In. In. In
Blue gravelly clay, with large tumbling							Broken metal 2 5 8 COAL (in a convulsed
stone	8	3	0	9	3	0	state) 0 4 0
Broken post Strong brown post COAL—Shield Row							Broken metal
Seam	0	5	0	4	4	0	8 2 8
Carried f	orwa	rd		14	4	0	Total <u>26 4 4</u>

# No. 1,945.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 10″, Long. 1° 43′ 55″.

# The First Trial Borehole on Mountset, about 100 yards North-East of the Corving House, at Tanfield Moor.

Soil and sandy clay			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft In. Brought forward 9 4 6 9 0 1
		$\frac{4}{3}$					
Stony clay	T	3	U				Brown and grey post 0 1 8 Blue metal 0 2 2
Grey metal stone, with		_	_				
water	1		0				COAL, with brown
Soft grey metal	0	2	0				scames 0 2 0
Whin	0	ī	3				COAL, with small
White and grey metal							brass lumps and
stone		3	0				water 0 3 7
Grey and blue metal	1	3	0				11 1 11
COAL, coarse, with							Black grey metal 0 0 3
scares of brass,							COAL, slaty,
brown scames, and							mixed with Ft. In.
water	0	1	4				brass 0 6
Black stone, mixed							Grey slate, mixed
with coal	0	0	2				with coal 0 6
COAL, mixed with	•	·	_				COAL, hard
white metal	0	0	4				brassy 0 2
	·	·	x	9	0	1	COAL 1 2
White metal	0		9	J	U	-	0 2 4
Soft blue and grey	U	U	9				0 2 7
	1	^					, ·
0	1		0				Grey metal, with post
Grey metal stone		3	0				Bir direct
Grey post	1	1	6				Black metal, mixed
Grey post girdles and	_	_					with coal and brass 0 0 4
metal partings	2	3	9				Ft. In.
White post, with metal							COAL 1 6
partings	1		0				COAL, foul
Brown thready post	1		6				brassy 0 5
Whin	0	5	0				0 1 11
Strong white post,							5 3 9
mixed with whin	0	1	0				
	_						
Carried forward	9	4	6	9	0	1	Carried forward 26 2 4
		_	-	-	_	_	1

# No. 1,945.—TANFIELD.—Continued.

Brought forward Grey metal, with		Ft.	In.	Fs. 26			Brought forward 5 0 5 27 4 Grey metal stone, with	
lumps or scares of							post girdles 4 1 0	
brass	0	<b>2</b>	8				Ft. In,	
Black and grey metal,							COAL 3 2	
scared with coal	0	0	6				COAL, but	
COAL, mixed with							rather coarse,	
brass at the top	0	4	9				with brassy	
			—	1	1	11	scare bands	
	0						at the top 0 9	
drey metal stone	1	4	9				COAL 1 0	
Strong grey post	0	3	0				0 4 11	
Strong grey metal							<del> 10 0</del>	4
stone	1	4	0				Grey metal stone 0 2 3	
Strong white and grey							In white post 0 0 3	
post	1	0	0				0 2	6
Carried forward	5	0	5	27	4	3	Total *38 1	1

# No. 1,946.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 41″, Long. 1° 43′ 51″.

Second Place bored on Tanfield Moor, about 260 yards to the S.S.E. from the First Place.

Soil, blue and brown	Fs. Ft.	In. F	s. Ft.	In.	Brought forward 2 2 6 9 0 0
stony clay Soft grey metal COAL, soft foul slaty	0 0		1 2	0	COAL, foul 0 6 COAL, foul brassy, mixed
Soft grey metal Brown and grey post, with metal partings	0 1	0			with grey metal 0 2 COAL 1 4 0 2 0 2 4 6
and water, and set away the water COAL, soft foul	3 4 0 0 1	LO	4 0	0	Grey metal, with post girdles 3 1 6 Grey and brown post 4 3 0 Strong grey post 2 5 3
Grey metal stone COAL		8	0 5	8	Grey metal stone, with post girdles 2 0 0  Ft. In.  COAL, foul
Black metal, scared with coal Grey metal and girdles COAL, foul	2 3	0 0 4			slaty 1 1 Black grey metal 0 2 COAL, slaty 0 7 Black and grey
Grey metal, with post girdles			2 4	4	slaty metal 0 4 COAL 0 6
Carried forward	2 2	6	9 0	0	Carried forward 24 4 11

### No. 1,946.—TANFIELD.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	24 4 11	Brought forward 5 0 4 24 4 11
Grey and blue metal,		Grey and white post,
with post girdles	4 4 0	with metal partings 2 1 0
COAL	0 0 6	Strong white post 2 0 0
Black metal	0 0 4	In whin 2 3 9
Grey metal	0 1 6	11 5 1
	7 0 4 04 4 11	m . 1
Carried forward	5 0 4 24 4 11	Total *36 4 0

<sup>\*</sup> Approximate sea level 570 feet below this.

# No. 1,947.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  53' 3'', Long.  $1^{\circ}$  44' 17''.

Third Place bored on Tanfield Moor, about 300 yards to the West from Whiteley Head.

Soil and stony clay 1 0 0	Brought forward Fs. Ft. In. Fs. Ft. In. Br. If. In.
COAL 0 0 10 3 0 10	Grey post 1 1 0   Black metal 2 4 0
	COAL, foul 0 0 4
COAL, but Ft. In.	
slaty at the	
bottom 0 6	Grey and brown post,
COAL, slaty,	with scamy partings 3 0 0
with water 1 6	Brown post 1 0 0
0 2 0	White post 2 4 0
2 2 0	Brown thready post,
Grey metal, with post	with water, and set
girdles 2 3 0	away the top feeders 1 3 0
Grey and brown post	White post with water 0 3 9
and set away the	Grey scamy post, with
water 0 3 9	coal pipes 0 3 0
Grey metal and metal	COAL 0 5 4
stone, with post	10 2
girdles 6 2 6	Blue metal, mixed
Ft. In.	with coal at the bot-
COAL, slaty 0 9	tom 0 0 8
COAL, foul	
slaty, mixed	Ft. In.
with metal 0 9	COAL, foul 0 3
Blue metal, scared	Blue metal,
with coal 0 6	mixed with
COAL, foul slaty 0 6	coal 0 2
Blue metal, scared	COAL 1 2
with coal 0 4	0 1 7
COAL, foul slaty 0 6	0 2
0 3 4	1
10 0 7	
Carried forward 15 3 5	Carried forward 30 4

### No. 1,947.—TANFIELD.—CONTINUED.

						Fs. Ft. In. Fs. Ft. In. Brought forward 0 2 4 40 2 1
3	1	6				COAL 0 9
6	0	0				COAL, brassy 0 1 COAL 3 9
0	1	9				— 0 4 7 — 1 0 11
0	0	3				Blue metal, mixed with coal at the bottom 0 1 0
0	1	10	9	3	6	In grey metal stone 0 1 0 0 2 0
0	0	6				
0	2	4	40	2	1	Total <u>*41 5 0</u>
	3 6 0 0 0	3 1 6 0 0 1 0 0 1	3 1 6 6 0 0 0 1 9 0 0 3 0 1 10 0 0 6	3 1 6 6 0 0 0 1 9 0 0 3 0 1 10 9 0 0 6	3 1 6 6 0 0 0 1 9 0 0 3 0 1 10 0 0 6	3 1 6 6 0 0 0 1 9 0 0 3 0 1 10 9 3 6

<sup>\*</sup> Approximate sea level 599 feet below this.

### No. 1,948.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Fourth Place bored on Tanfield Moor, about 100 yards to the East from William

Armstrong's House. July 3rd, 1762.

Approximate surface level feet above sea (Ordnance datum)

Approxima	ate	sur	face	elev	rel		feet above sea (Ordnance datum).
Soil and stony clay	Fs.		In. O	Fs.	Ft.	In.	Brought forward 7 3 0 15 1 Ft. In.
Soft brown and blue metal Grey and blue metal,	3	0	0				COAL, hard slaty 2 6
with post girdles and brown scames		1	0				COAL, but not good, with water 2 4
COAL, foul Ft. In.							0 4 10
Blue metal, mixed with $coal$ 0 2							Black and grey metal 0 0 7 COAL, with bands
COAL 1 1	0	2	5				of metal 0 1 10 0 2
				10	2	5	Grey metal 1 2 3 Blackish blue metal 0 4 6
Grey metal Black and blue metal	<b>2</b>	3	0				Blue grey metal and metal stone 4 1 0
COAL, foul	0	0	4	4	5	1	COAL 1 6
Soft brown scamy metal mixed with							brassy 0 4 Grey metal 3 9
ramble Brown rambly stone	0 4	1	0				COAL, with some small
Brown scamy post, with water	2	5	0				brown scames and some
Whin, mixed with strong white post	0	3	0				scares of brass 3 4 COAL 1 4
			_			_	In group mount
Carried forward	7	3	0	15	1	6	Total 32 0

### No. 1,949.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring at Tanfield Moor Edge, about 200 yards to the East from the Engine. August 14th, 1761.

Approximate surface level feet above sea (Ordnance datum).

Soil and stony clay Brown and grey post Soft grey scamy post COAL	7 0 2	Ft. 3 4 3 1	In. 0 0 6 3	Fs.		In. 9	Brought forward 4 2 6 12 5 7 Strong thready white post, mixed with whin and water 0 2 0 Grey metal stone and
Soft black and grey metal, with scares of coal  Hard Coal Seam—	1	0	8				post girdles        1       2       0         Strong white post        0       3       0         Grey metal stone        1       4       9         Blue metal        0       0       9
COAL, with a small brass lump near Ft. In. the top 4 7 Grey metal 0 3 COAL, foul slaty 0 4		. 5	2	1	5	10	Brass Thill Seam—  Ft. In.  COAL 0 4  Brassy lump or coal, mixed with brass 0 1  COAL, with a small scame of grey metal at the
Grey metal, with post girdles and water Grey post and strong grey metal stone		3 5					bottom 2 1 COAL 2 4
Carried forward	4	2	6	12	5	7	Total <u>22 2 5</u>

### No. 1,950.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Third Place bored at Tanfield Moor Edge, 14 yards to the East from the Second and 120 yards from the First. November 2nd, 1761.

Soil and stony clay Fs. Ft. In. Fs. Ft. In.  Soft brown ramble, with water 0 4 6	Brought forward 2 4 6 COAL, soft loose, with water 0 2 6
U 49 U	Stony clay 3 0 0
Carried forward 2 4 6	Carried forward 3 0 0 3 1 0

### No. 1,950.—TANFIELD.—CONTINUED.

Brought forward Grey and blue metal	Fs. 3	Ft. 0 1	In. 0 6	Fs. 3		In. 0	Brought forward Fs. Ft. In. Fs. Ft. In. White metal, with
COAL, but foul Ft. In		-	Ü				catheads 2 3 6
near the bottom 1 3							Grey post 0 2 0
Blue metal mixed							Grey metal stone 2 0 0
with coal 0 3							Grey post 0 2 3
COAL, soft foul 0 8 Blue metal mixed							Grey metal stone, wth
with coal 0 1							Grey scamy stone, with
COAL 0 6							strong girdles and
	0	2	9				water in some places 3 5 0
	_		_	3	4	3	COAL 1 0 1 5
Soft dun metal	0	0	6				
Grey metal	1 0	$\frac{3}{1}$	0				
Grey girdle stone Black metal	3		0				Grey metal 0 2 6 COAL, with bands of
COAL, foul	0	ő	9				metal 0 0 9
	_			5	<b>2</b>	3	
Grey metal stone	0	5	0				0 3
White and grey post,							Grey metal 0 3 6
and set away the		1	c				COAL 0 4 11
water at 16 fathoms Grey post, with black	4	1	О				1 2
scames or partings	0	1	6				Grey metal 0 0 4
Ft. In.		-	Ů				COAL 0 0 3
COAL 5 1							00
Soft black metal 0 3 COAL 0 4							In grey metal stone 0 0
Black grey metal							In grey metal stone
stone 0 3							
COAL, but							
coarse at the top 1 0							
	1	0	11	_	_		
				6	2	11	-
Carried for	wer	٠d		18	4	5	Total 32 0
Carried 101	11 al	···		10	-10	U	10001 111 111

# No. 1,951.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring at Tanfield Moor Edge Colliery, about 60 yards to the Northward from the Pit and 100 yards North-east from the Fortune Pit.

July 13th, 1764.

Soil and yellow clay Carlo Strong stony clay Carlo Soft shivery ramble, mixed with stony	Brought forward Grey and brown ramble Stony clay	3 0 1	3	0 0 0			In.
clay 0 2 0 Stony clay 0 2 6 Soft shivery ramble 0 1 0	Grey metal stone Grey metal stone (much water rose to	0	4	6	J		
Stony clay 0 5 0	the top)	1	3	0			
Carried forward 3 0 0	Carried forward	2	1	6	5	1	0

# No. 1,951.—TANFIELD.—CONTINUED.

72 146 1					Ft.		Fs. Ft. In. Fs. Ft. 1	— In.
Brought forward Grey and white post,	2	1	6	5	1	0	Brought forward 4 3 4 19 5 Whin, mixed with	8
with mixture whin	_		_				strong white post 0 2 0 COAL 0 2 9	
girdles Brown and grey gul-	2	1	O				COAL 0 2 9 A brassy lump or scare	
lety post	1		0				band 0 0 1	
Grey metal stone	2	3	9				COAL 0 2 1	
Blue grey metal	0	5	0				Black slaty metal,	
COAL, with bands of black Ft. In.							scared with coal 0 0 3 • COAL, with scares	
metal 1 6	•						of grey metal 0 0 7	
COAL, with							COAL, coarse 0 1 1	
scares of brass 0 10							6 0	<b>2</b>
Black metal, scared with coal 0 5							Grey metal and metal stone, with several	
COAL 0 3							whin girdles or	
	0	3	0				lumps 2 5 0	
				9	4	3	Strong grey metal	
Grey metal and metal							stone, with several	
stone, with post	0	,					whin girdles or	
girdles Blue and black metal	2	1 3	9				lumps 7 3 0 COAL 0 1 6	
COAL, mixed with	4	J	U				COAL 0 1 6	6
black metal at the							Grey stone, mixed	U
bottom	0	1	<b>2</b>				with brass 0 0 3	
		_	_	5	0	5	Grey metal, with	
Grey metal	2	1	4				scares of coal 0 3 7	
White post, with mix- ture whin girdles	1	3	0				Black metal, mixed with $coal$ 0 0 2	
Whin, with a scamy	_	o	U				COAL 0 4 9	
parting in the							1 2	9
middle			0				In grey metal, scared	-
White post	0	3	0				with coal 0 1	6
			_					
Carried forward	4	3	4	19	5	8	Total 38 1	7

# No. 1,952.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Boring on Tanfield Moor, about 250 yards to the South-west from the Cape Pit. October, 1764.

Black soil 0 0 6 6 Stony clay 0 2 6 Brown ramble 1 5 0	Brought forward 2 2 0 Brown scamy post, with soft rambly partings 4 0 0
Carried forward 2 2 0	Carried forward 6 2 0

### No. 1,952.—TANFIELD.—CONTINUED.

							·····						
Brought forward			In.	Fs.	Ft.	In.	Brought forward			In.			
Drought forward	ŏ	2	0								ð	o	0
Grey metal	U	3	U				COAL, foul	U	T	U			
Brown post	1	3	0				-	_			1	2	6
Grey metal Brown post Grey metal	0	2	0				Grey metal stone, with				,		
COAL, with Ft. In.							black scames		3	0			
brown scames 6 6							White thready post						
Soft blue metal,							Grey metal stone						
with water 0 3							COAL, foul	0	4	0			
COAL 0 11											3	5	6
	1	1	8				Grey scamy metal and						ď
	-	-	_				metal stone, with						
				9	5	8			_	_			
							girdles or lumps						
Grey metal	1	1	0				Strong white post	0	3	0			
Black metal, scared							In brown scamy post	2	0	0		-	
with coal	Λ	Ω	6							_	7	3	0
with coal	U	U	U								'	0	U
											_		_
Carried forward	1	1	6	9	5	8	Total				22	4	8
Callica for ward	-	-	٠	·	·	9	1			=		_	==

# No. 1,953.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Second Place bored on Tanfield Moor, about 70 yards to the West from the First. November 28th, 1764.

Soil and stony clay	Fs.		In. 0	Fs. Ft. In.	Brought forward 7 0 0
Strong brown and grey post	2	3	6		COAL, foul 0 9
Whin	0	0	6		Grey metal,
Soft blue grey metal,					mixed with
with black scames					coal 0 4
at the bottom	1	5	0		COAL, foul,
Soft blue grey metal	1	1	0		mixed with
Brown ramble	0	1	0		brown and
					grey ramble
					at the bottom 1 1
					0 2 2
					7 2 2
					In brown gullety post,
					with scamy partings 3 4 0
Carried forward	7	0	0		Total 11 0 2
Carried for ward	•	Ü	Ů		10041 11 0 2

# No. 1,954.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long

# Third Place bored on Tanfield Moor, about 70 yards North-west from the Second. Approximate surface level feet above sea (Ordnance datum).

	(
Soil and stony clay Fs. Ft. In. Fs. Ft. 1	
Blue and black ramble,	Brought forward 11 5 6
mixed with clay 1 1 6	Blue and black metal, with a mixture of
Brown post 0 1 0	
Grey metal 0 2 0	111 0 2 0
Grey and brown ram-	Blue grey metal, with
bly post 4 0 6	scares of coal 1 0 0
White post 2 0 0	Grey metal 2 4 6
Strong brown post 1 3 0	Grey and brown scamy
1	metal 1 5 0
will not cake	Grey metal 0 2 6
	COAL, but will not
nor burn to Ft. In.	cake or burn to any
any cinder 3 9	cinder, mixed with
COAL, foul,	black danty metal 0 1 9
mixed with	6 3 9
metal 0 1	Grey metal, with black
COAL, but	scames near bottom 0 3 2
will not cake	COAL, but will not
or burn to	cake or burn to any
any cinder 1 5	cinder, mixed with
Blue metal 0 5	black danty metal 0 4 8
Blue metal,	
mixed with	1 1 10
coal 0 10	Grey metal 0 0 4
COAL, but	In grey metal stone 0 0 8
will not burn	
or cake to	0 1 0
any cinder 1 6	
1 2 0	
<del></del>	6
Carried forward 11 5	6 Total 20 0 1

### No. 1,955.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

#### Fourth Place bored on Tanfield Moor, about 110 yards to the South-west from Tanfield Leigh Fell Gate.

Fs. Ft. In. Fs. Ft. In. Solution   Fs. Ft. In. Fs. Ft. In.   Fs. Ft. I	Brought forward 3 0 0  Brown sandy ramble, with seamy partings, with water and set away the top feeders 1 3 0	
Carried forward 3 0 0	Carried forward 4 3 0	

### No. 1,955.—TANFIELD.—CONTINUED.

Brought forward Grey and brown scamy				Fs.	Ft.	In.	Brought forward 6	5	5	Fs. 12	Ft.	In. 1
metal	4	0	0					_	_	6	5	11
Black grey metal	2	4	9				Grey and brown scamy					
COAL, but will not							metal 0	4	6			
cake nor burn to any							Black and blue metal 0	4	6			
cinder	0	5	4				Brown rambly post,					
				12	1	1	with metal partings 2	2	0			
Grey metal	0	0	8				Grey and brown scamy					
Grey metal stone	0	0	9				post, with strong					
Black and blue metal	0	1	0				girdles and water					
Grey metal and metal							near the bottom 6					
stone, with brown							In whin mixture 0	4	0			
scamy girdles	6	3	0							11	0	0
				_								
Carried forward	6	5	5	12	1	1	Total			30	1	0

### No. 1,956.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Fifth Place bored on Tanfield Moor, about 90 yards to the South from the Fourth.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs.								
Brown white post 3 0 9   Whin 0 5 6   White post 3 0 9   Whin 0 5 6   White post 0 1 3   Whin 0 5 3   Whi	Soil and stony alay				Fs.	Ft.	In.	
Whin		-	U	U				
Stony clay 4 0 6 Grey metal and metal stone 2 3 0  Ft. In.  COAL, foul 1 1  Blue grey metal and with coal 0 3  COAL, foul 0 8  Blue metal, mixed with coal 0 2  COAL, foul 0 5  GOAL, foul 0 5  GOAL with small brass girdles or lumps 2 6  Soft grey and black danty metal 0 8  Black slaty stone, mixed with brassy coal 0 5  COAL 1 3  White post 0 1 3  COAL, with brown scames 1 4  COAL, with brown scames 1 4  COAL with small brassgir-dles or lumps 2 6  Soft grey and black danty metal 0 8  Black slaty stone, mixed with brassy coal 0 5  COAL 1 3		_		•				Drown white post 5 0 9
COAL, hard foul   slaty, mixed   Ft. In.   with brass   1 - 3   COAL, with brown scames   1   COAL, with small brass girdles or lumps   2   6   Soft grey and black danty metal   0   0   0   0   0   0   0   0   0								Whin 0 5 6
COAL, hard foul   slaty, mixed   Ft. In.   with brass   1 - 3   COAL, with brown scames   1   COAL, with small brass girdles or lumps   2   6   Soft grey and black danty metal   0   0   0   0   0   0   0   0   0	Stony clay	4	Ó	6				White post 0 1 3
Stone       2   3   0		_			5	3	0	Whin 0 5 3
Stone       2   3   0	Grev metal and metal							COAL, hard foul
COAL, foul 1 1  Blue grey metal, mixed with coal 0 3  Blue metal, mixed with coal 0 2  COAL, foul 0 5  COAL, foul 0 5  COAL, foul 0 5  Blue grey metal 5 2 8  COAL 0 5  COAL 0 5  Blue grey metal 5 2 8  COAL 0 5  COAL 0 5  Black slaty stone, mixed with brassy coal 0 5  COAL 1 3  COAL 1 5  COAL		2	3	٥				
COAL, foul 1 1  Slue grey metal, mixed with coal 0 2  COAL, foul 0 5  COAL, foul 0 5  COAL, foul 0 5  COAL, foul 0 5  COAL, with brown scames 1 4  COAL, with small brass girdles or lumps 2 6  Soft grey and black danty metal 0 8  Black slaty stone, mixed with brassy coal 0 5  COAL 1 3  COAL 1 5 2 8  COAL 1 3  COAL 1 5 2 8  COAL 1 3  COAL 1 5 2 8  COAL 1 3		_	·	·				
Blue grey metal, mixed with coal 0 8 Blue metal, mixed with coal 0 2 COAL, foul 0 5  — 0 2 7 Blue grey metal 5 2 8 COAL 0 1 0 Brown scames 1 4 COAL, with small brassgir-dles or lumps 2 6 Soft grey and black danty metal 0 8 Black slaty stone, mixed with brassy coal 0 5 COAL 1 3  Grey and blue metal 0 1 0 Brown scames 1 4 COAL, with small brassgir-dles or lumps 2 6 Soft grey and black danty metal 0 8 Black slaty stone, mixed with brassy coal 0 5 COAL 1 3  — 1 1 5  — 8 4								
tal, mixed with coal 0 3 COAL, foul 0 8 Blue metal, mixed with coal 0 2 COAL, foul 0 5								
with coal 0 3 COAL, foul 0 8 Slue metal, mixed with coal 0 2 COAL, foul 0 5  — 0 2 7 Slue grey metal 5 2 8 COAL 0 1 0 Strong white post 2 1 0								
COAL, foul 0 8 Slue metal, mixed with coal 0 2 COAL, foul 0 5	tal, mixed							COAL, with
COAL, foul 0 8 Slue metal, mixed with coal 0 2 COAL, foul 0 5	with coal 0 3							small brass gir-
Silve metal, mixed with coal 0 2  COAL, foul 0 5								
mixed with coal 0 2  COAL, foul 0 5  — 0 2 7 Blue grey metal 5 2 8  COAL 0 1 0  Grey and blue metal 0 1 0  Strong white post 2 1 0								
COAL, foul 0 2								
Black slaty stone, mixed with brassy coal 0 5 COAL 1 3  Grey and blue metal 0 1 0 5 trong white post 2 1 0								
Blue grey metal 5 2 8 COAL 0 5 COAL 1 3 To Strong white post 2 1 0	COAL, foul 0 5							Black slaty stone,
Blue grey metal 5 2 8 0 1 0		0	<b>2</b>	7				mixed with
Blue grey metal 5 2 8 COAL 1 3 1 5 2 8 deep and blue metal 0 1 0 strong white post 2 1 0					2	5	7	brassy coal 0 5
GOAL 0 1 0  Grey and blue metal 0 1 0  Strong white post 2 1 0	Slue grev metal	5	2	R	_	•	•	
Firey and blue metal 0 1 0 5 3 8 5 5 3 8 5 7 8 6 7 8 4 5 8 7 8 7 8 8 7 8 8 9 8 9 8 9 9 9 9 9 9 9	2011							
strong white post 2 1 0	JOAL	U	т	U	_	_	_	
strong white post 2 1 0		_				3	8	8 4
				0				o o
Carried forward 2 2 0 14 0 3 Carried forward 22 4	Strong white post	2	1	0				
Carried forward 2 2 0 14 0 3 Carried forward 22 4	Counted formers	_		_	1.4			Comical formula 22 4
	Carried forward	4	Z	U	14	U	ð	Carried forward 22 4

### No. 1,956.—TANFIELD.—CONTINUED.

Brought forward	Fs. Ft. In.	Fs. Ft. In. 22 4 5	Fs. Ft. In. Fs. Ft. In. Brought forward 0 2 9 30 0 4
Grey metal stone, with			COAL, mixed Ft. In.
girdles or lumps	2 1 0		with brass 0 2
Black metal			COAL 1 9
Grey metal stone	4 4 9		COAL, with
COAL	$0 \ 1 \ 2$		scares of brass 0 2
		7 1 11	COAL 2 6
Soft grey metal, with catheads and scares			<u> </u>
of coal	0 2 9		Soft grey metal 0 0 6
<b>62</b> 1111			In grey metal stone 0 0 10
			0 1 4
Carried forward	0 2 9	30 0 4	Total 31 3 0

### No. 1,957.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring on Tanfield Moor, about 60 yards to the East from William Armstrong's House. July, 1769.

							,
Sunk Brown and grey scamy	Fs.	Ft.	In.	Fs. 2	Ft.	In. 0	Brought forward 7 3 6 16 4 10
metal	1	1	0				Seam 0 5 1
Grey metal and metal							8 2 7
stone, with post girdles and water,							Soft blue metal 0 0 3 COAL—Foot Coal 0 2 0
and set away the water near the bot-							0 2 3
tom	7	4	0				Grey metal stone 2 0 0
COAL 1 1							Black metal 0 1 0 Grey metal stone, with
Grey and black							girdles or catheads 1 4 6
metal 0 2 COAL, foul							Strong white post 0 2 0 Whin mixture 0 1 0
slaty, with							Whin mixture 0 1 0
scares of metal 1 0	0	2	3				Grey metal stone, with girdles or lumps 1 5 0 COAL, with some
	_		_	9	1	3	small danty scames 0 1 9
Grey metal, with							6 3 3
brown scames Black and blue metal	3	5 1	0				Soft grey metal 0 3 3
COAL	0	0	7	5	0	7	Seam 0 4 8
Black metal	0	0	6	Э	U	7	1 1 11
Grey metal	ŏ						Black and blue metal 0 0 4
Grey post, mixed with whin girdles, brown							In grey metal stone 0 1 4 0 1 8
scamy partings and							
water	6	4	0			,	
Carried forward	7	3	6	16	4	10	Total 33 4 6

### No. 1,958.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Strata sunk and bored through in the Hobson Pit, Tanfield Moor Colliery from the surface. July, 1843.

		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Blue metal and outset	3	3	2				Brought forward . 1 3 4 42 2 10
COAL - 5/4 Seam							Strong white post 0 1 8
(30 feet 6 inches of			_				Strong grey metal,
walling)	0	4	6				with post girdles 1 1 10
ο,	_			4	1	8	Strong white post 0 2 8
Grey metal, with post							Grey metal, with post
	1	1	9				girdles 0 5 10
girdles	1		10				Blue metal 0 0 5
Blue metal	0	õ	2				36 t G 1 . T.
ronstone	-	-	2				Main Coal or Low
Blue metal	3	3					Main Seam—
ronstone	0	0	2				COAL, good 3 4
Blue metal	1	4	8				COAL, good 5 4
ronstone	0	0	2				
Blue metal	0	4	7				0 3 9
${ t COAL-Brass \ Thill}$							5 1 6
Seam (10 feet of							Blue metal stone 3 0 0
walling)	0	4	6				White post 10 5 8
8,				9	4	0	COAL 0 1 5
		0	-				14 1 I
rey metal	3	2	1				Blue metal 1 0 0
White post	0	4	8				Blue grey metal stone,
COAL	0	0	2				with post girdles 1 0 0
Grey metal	1	5	<b>4</b>				Strong white post,
ronstone	0	0	2				with water 1 0 0
Blue metal	0	0	6				Blue metal stone, with
ronstone	0	0	3				4 0 0
Blue metal	1	0	10				
Grey post	1	0	1				
rey metal	3	3	6				COAL 006
Strong white post	5	Õ	8				7 2 6
Blue metal	Ö	ŏ	7				Grey metal 1 5 6
	ő	ĭ	ó				White post 1 1 0
White post	ő	4	ĭ				Blue metal 0 4 0
Grey post		1	ō				COAL, strong 0 1 11
Blue metal	0						4 0 5
Strong white post	7	3	7				Grey metal stone, with
${ t COAL-} Hutton Seam$	1	0	6	~ ~	_	_	girdles 1 3 0
			<u> </u>	26	5	0	Strong white post 3 5 0
Black slaty stone	0	0	5				COAL 0 0 6
COAL, coarse	ő		10				5 2 C
	0	1	0				
Grey metal	1		3				The state of the s
Blue metal		0 1					
${ t COAL-Little \ \it Coal}$	0	T	8	-		0	Grey metal stone 0 4 0
	_		_	1	4	2	0.0
Strong grey metal,							
with post girdles	1	0	2				
Grey post	ō	_	ō				
· · · · · · · · · · · · · · · · · · ·	ő		2				0 2 10
irey metal	J	_					2 4
	-						
Carried forward	1	3	Δ	42	9	10	Carried forward 81 3

# No. 1,958.—TANFIELD.—CONTINUED.

			_			_	
Brought forward	Fs.	Ft.	in.		Ft. 3		Brought forward 2 1 7 89 2 1
Grey metal	0	2	0				Strong grey metal 0 1 0
Blue metal, with hard	_						Ironstone 0 0 6
girdles	0	1	0				Grey metal 3 1 9
White post	Õ	$\tilde{3}$	4				Ironstone 0 0 4
Grey metal stone		ĭ	11				Blackstone 0 0 5
		ō					COAL (supposed
White post	7	ŏ	5				Brockwell Seam) 0 1 11
COAL	U	U	U	6	2	8	
a. 1	_		7	U	4	o	
Strong whin girdle		0					Strong grey metal 0 2 0
Soft black slaty metal	0	1	z				Post 1 0 0
Busty Bank Seam-							Grey metal 0 2 0
COAL 3 0	•						Whin girdle 0 0 8
							Grey metal 1 0 4
Grey metal							Strong white post 2 0 5
(fire clay) 0 8 COAL 2 8							Grey metal 0 2 1
COAL 2 8	4	_					Post 0 1 2
	T	0	4		_	_	
		_	_	1	<b>2</b>	1	5 2 8
Grey metal	-	1					
Strong white post	0	0	7				
THE STATE OF THE S			_				
Carried forward	<b>2</b>	1	7	89	2	1	Total 101 0 3

# No. 1,959.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54′ 39″, Long. 1° 34′ 40″.

# Account of Strata sunk through in the Street Pit, Team Colliery.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Son and clay 2 5 6	Brought forward 3 2 6 11 4 $2\frac{3}{4}$
Soil and clay 2 5 6 Post 4 2 9	Metal stone 0 5 6
Grey metal 1 2 2	White post 1 0 0
High Main Seam-	Grey metal stone 1 2 0
Ft. In.	COAL—Metal Coal
COAL 2 5	Seam 0 2 6
Grey metal 12 9	7 0 6
COAL 2 73	Blue metal stone 2 3 10
2 5 9 <del>3</del>	Grev metal stone 0 5 2
11 4 23	Brown post 0 4 1
Metal stone 1 3 0	Grey metal stone 0 4 6 Whin girdle 0 1 6
White post 0 4 0	Whin girdle , 0 1 6
White post 0 4 0 Metal stone 0 4 6	Blue metal stone 0 5 0
White post 0 3 0	White post girdles 0 5 6
Carried forward 3 2 6 11 4 23	Carried forward 6 5 7 18 4 $8\frac{3}{4}$

# No. 1,959.—TEAM.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 6 5 7 18 4 $8\frac{3}{4}$	Brought forward 4 2 7½ 50 2 4¾
Blue metal stone 0 3 6	Six-Quarter Seam—
COAL - Stone Coal	Ft. In.
Seam 0 2 2	$\begin{array}{cccc} COAL & \dots & 1 & \frac{61}{2} \\ \mathbb{S} & \mathbb{S} & \mathbb{S} & \mathbb{S} & \mathbb{S} \end{array}$
7 5 3	Soft grey metal 2 0
Thill 0 1 1	COAL, cannel 1 1½
White post 0 1 9	Band of stone 0 31/2
Blue metal stone 0 3 4	COAL 1 9
White post 0 3 7	$1 0 8\frac{1}{2}$
White post and whin	<del></del> 5 3
girdles 0 5 1	White post 0 3 7
Grey metal stone 2 3 1	Grey metal stone 0 3 0
0.103	White post and whin
White post 0 5 11 Blue metal and iron-	girdles 0 5 5
stone bands 1 5 9	Blue metal stone 0 1 0
	White post 0 2 1
Yard Seam— Ft. In.	Grey metal and post
COAL, fre-	girdles 1 4 7
quently coarse $0   9\frac{3}{4}$	COAL—Five-Quarter
COAL, good 1 13	
Band 0 2	
COAL, good $1  ext{ }  ext{4}  ext{\frac{1}{2}}$	Thill 0 0 6
Band 0 1	Grey metal stone 0 2 10
COAL, good 1 53	Post girdles, mixed
$COAL, good 0 11\frac{3}{4}$	with whin $0 0 9\frac{1}{2}$
$1 0 0\frac{1}{2}$	Grey metal stone 0 0 11
$857\frac{1}{2}$	Grey post girdles and
Thill 0 1 0	whin 0 0 11
White post, with whin	Grey metal and whin
girdles 1 0 0	girdles $0 2 8\frac{1}{2}$
Blue metal and girdles 0 5 6	Black ironstone gir-
White post 0 3 0	dles $0 \ 0 \ 8\frac{1}{2}$
Blue metal stone 0 4 6	COAL 0 0 6
Black metal stone and	1 3 10
girdles 1 0 0	Thill 0 0 4
Whin 0 1 10	Grey metal stone 0 3 0
Blue metal stone 1 5 8	731
( 1 0 103	Grey metal stone 0 0 4½  Grey metal stone 0 3 2
Grey metal stone $\left\{\begin{array}{ccc} 1 & 0 & 104 \\ \hline 0 & 3 & 1\frac{1}{4} \end{array}\right\} *$	
r F 6	31133
White post and whin	White post, mixed with whin $0 2 2\frac{1}{2}$
girdles 0 3 6	
White post girdles 1 3 0	
Blue metal 0 1 0	White post, mixed
Bensham Seam—	with whin $0  1  2\frac{1}{2}$
COAL, top 2 9	Grey metal stone 1 0 10½
	White post, mixed
	with whin 0 1 0
	Blue metal and iron-
Dand V I	stone girdles 0 4 10
COAL, bot-	Grey and black metal
tom 1 0	stone 0 0 6
$ 0 5 9\frac{1}{2}$	Low Main or
$\frac{14}{2}$	Hutton Seam—
Thill 0 1 4	Ft. In.
Blue metal stone 0 3 7	COAL $3 \cdot 10\frac{1}{2}$
Whin girdle 0 0 5	COAL, coarse
Blue metal 0 4 3	bottom $0  ext{ } 10\frac{1}{4}$
Blue metal stone and	—— 0 4 8½
girdles 1 2 7	5 5 0
Blue metal stone 1 2 $5\frac{1}{2}$	
	Total <u>68 1 7</u>
Carried forward $4 2 7\frac{1}{2} 50 2 4\frac{3}{4}$	
	1 (0 1 1 1 )

<sup>\*</sup> Approximate sca level (Ordnance datum).

# No. 1,960.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 16″, Long. 1° 34′ 36″.

Account of Strata sunk through from Thill of Black Fell Water Drift, in the Centre Pit, Team Colliery. 1824.

Approximate surface level 435 feet above sea (Ordnance datum).

Seam	0	4	4	0	4	In.	Brought forward 3 3 2 7 3 10\frac{1}{2} Strong grey metal 0 5 7 Scamy post girdles 0 3 5
Thill	0	1	0	Ĭ	-	_	Blue stone 0 4 0
Hard white post	1	3	0				Black metal 0 0 2
Metal stone and post							Low Main Seam-
girdles	1	1	$9\frac{1}{2}$				Ft. In.
Blue metal	0	1	$2\frac{1}{2}$				COAL, good 4 1
COAL—Five-Quarter	r		_				COAL, bot-
Seam	0	3	$1\frac{1}{2}$				tom 0 10
			_	3	4	$1\frac{1}{2}$	0 4 11
Thill	0	1	3				6 3 3
Grey and white post	_	_					Black metal and thill 0 2 11
and a whin lump	2	2	2				Blue metal $0 \ 4 \ 6\frac{1}{2}$
Grey metal stone	0		11				White post 1 4 6
Black metal	Ŏ	1					Black metal 0 0 4
COAL	0	0	6			_	COAL 0 0 $2\frac{1}{2}$
Thill	_	2	3	3	1	5	Band 0 0 1
0	0		11				COAL         0       0       2         Thill         0       2       5         Black metal        0       2       9
White post and part-	U	U	11				Thill 0 2 5
	0	5	10				
¥¥71. *	0	4					Blue metal 1 4 1
Grey metal and whin	J	-10	1				In post 0 1 8
girdles	1	0	9				5 5 8
Post, mixed with whin	0	1	4				
,					,		Total depth below ———
Carried forward	3	3	2	7	3 1	0 <del>1</del>	Six-Quarter Seam $20 0 9\frac{1}{2}$

### No. 1,961.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55′ 18″, Long. 1° 36′ 2″.

Strata sunk through in the Shop Pit, Allerdean Winning, from the Thill of the Hutton Seam.

Thill stone	Brought forward 1 1 8 White post 0 5 3
Carried forward 1 1 8	Carried forward 2 0 11
	нн

# No. 1,961.—TEAM.—CONTINUED.

Brought forward Thill stone Grey metal Grey post Blue stone COAL	Fs. Ft. In. Fs. Ft. In.  2 0 11  0 2 9  2 2 2  3 0 8  1 0 0  0 1 2	Brought forward Thill stone 0 2 0 Post 6 5 5 Grey metal 0 3 3 Post 0 2 3 Blue stone 0 2 4
Grey metal White post, mixed with whin Grey post Blue stone Black stone COAL, splint Black stone COAL	1 4 0 2 5 6 1 2 0 2 2 0 0 2 4 0 0 3 0 1 10 0 0 9	Beaumont Seam—  Ft. In.  COAL, good 2 4  Band 0 7  COAL, coarse 0 3  Band 0 1  COAL, coarse 1 2
Carried for	9 0 8 ward 18 2 4	Total depth below  Hutton Seam 27 4 0

# No. 1,962.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Sunk below the Beaumont Seam, in a Staple about 80 yards East of the Shop Pit.

Approximate surface level feet above sea (Ordnance datum).

Post	•••						Fs. 1		In. 11	Fs.	Ft.	In.
Grey metal,	mixed	with	whin an	$\mathbf{d}$ post			2	4	8			
Black stone	• • •		•••		•••		0	0	4			
Blue stone	• • •	• • •	•••		• • •	• • • •	0	4	6			
COAL	• • •	• • •		• • •		}						
$\mathbf{Band}$						}	0	$\tilde{2}$	6			
COAL	•••	•••		•••	•••	)				_		44
Grey metal,	mixed	with	post	•••	•••	•••	-		_	5 0	3	6
			Total		•••					5	5	5

### No. 1,963.—THICKLEY.

#### TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 30″, Long. 1° 37′ 44″.

Account of Sinking a Pit near the Stockton and Darlington Railway, at East Thickley Colliery. June 9th, 1829.

Approximate surface level 400 feet above sea (Ordnance datum).

t. In. 3 6
61
02
. 0
. 0
nl.
, 02

<sup>\*</sup> Approximate sea level 265 feet below this.

### No. 1,964.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 50″, Long. 1° 37′ 8″.

Section of Strata bored through in East Thickley Estate, on the right hand side of the Lane leading to Middridge. Finished June 25th, 1834.

Soil	Fŝ. Ft. In. Fs. Ft. In. O 1 0	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 0
Yellow rubbly lime-		Brown marl 0 1 6
stone	0 3 0	Mild yellow limestone 0 1 6
Limestone	3 0 0	Strong limestone, with
		partings 3 3 0
Carried forward	3 4 0	Carried forward 7 4 0

# No. 1,964.—THICKLEY.—CONTINUED.

		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	7		0				Brought forward 33 5 1
White limestone	0	5	0				Blue metal 5 1 2
Gravelly limestone,							Main Coal Seam—
with water	0	3	0				COAL beauty Ft. In.
Strong blue limestone	3	4	6				COAL, brown-
9				12	4	6	- ish 0 4
	_			12	-10	Ü	COAL, strong 3 0
White metal	0	4	6				White thill 0 5
Red post	0	1	8				Strong grey
Blue metal	0	<b>2</b>	6				metal thill 1 2
Red post	0	0	2				Strong grey
Blue metal	2	2	8				metal 3 3
Post girdle, with							COAL, strong 2 10
water	0	1	6				1 5 0
Blue metal	1	3	6				7 0 2
White and red post,							Left off in grey metal 0 1 6
with water	3	3	7				
Blue metal, with	_	Ŭ	•				41 0 9
water	0	1	0				February 15th, 1836.
Post, with water	6	ō					Bored further by
COAL—Five-Quarter	_	U	•				G. Stott:—
ď	0	Λ	10				Grey metal 0 2 0
Seam	U	U	10				
				15	4	- 6	D1 1 1 0 1 0
Thill	^	0	2				
731 /	0 3	4	5				
Blue stone	Э	4	Э				
White post, mixed	-	_					Blue metal 2 1 10
with whin	1	0	4				Grey post, strong in
Blue metal, mixed	_	_	_				the bottom 2 0 10
with post	0		2				Blue metal stone, with
COAL, coarse	0	2	0				girdles 1 1 8
				5	2	1	COAL 0 0 3
				Ü	-	_	Blue metal 1 2 10
							Strong white post,
							mixed with whin
							(got April 8th, 1836) 3 0 4
							18 5 8
Carried for	wa	rd		33	5	1	Total 60 0 5
				- 0	•	_	

# No. 1,965.—THICKLEY.

#### TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of Strata bored in the Second Hole in Thickley Estate, on the left hand side of the Lane leading to Shildon. May 9th, 1836.

Soil Fs. Ft. In. Fs. Ft. In. Blue stony elay 2 5 0	Brought forward 2 5 6 Blue clay, mixed with sand 0 3 0
Carried forward 2 5 6	Carried forward 3 2 6

### No. 1,965.—THICKLEY.—CONTINUED.

Brought forward Rambly post Grey metal COAL, foul	3	Ft. In 2 6	3	. Ft	t. 1	In.	Brought forward 8 3 3 9 4 7 Black metal 0 0 4
Grey metal	0	2 1					Grey metal 1 1 0
COAL, foul	0	1 (	) - 4	E	5	5	White post, with brown partings and
Grey metal Black metal Grey metal	1	5 7	, 1	•		·	water 1 5 4
Black metal	0	0 4	Į.				Brown post 0 1 6
Grey metal	2	3 (	)				water        1.       5.       4.         Brown post        0.       1.       6.         White post        0.       1.       6.
COAL, with water—							Blue metal, with gir-
Yard Seam (?)	0	2 :	1				dles 2 1 0
			. 4	. 5	ó	2	White post 0 3 1
Grey metal		2 (	)				Blue metal and metal
Brown post	0	3 (	_				stone, with girdles 9 0 3
Strong white post, mixed with whin	1	2 11					White post 0 3 6 Grey metal and metal
Grey metal and metal							stone, with girdles 15 2 8
stone	4	2 6 3 8 1 2	•				In strong white post,
Brown post	0	3 8	3				mixed with whin 2 3 0
White post	1	1 2				_	42 2 5
Carried forward	8	3 8	9	4	Ŀ	7	Total <u>52 1 0</u>

# No. 1,966.—THICKLEY.

### TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 32″, Long. 1° 38′ 18″.

Strata sunk through in the West Pit, Shildon Colliery, in East Thickley Royalty. 1869 and 1870.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 12 2 10
Yellow clay and sand 0 1 0	Seggar 0 3 6
Blue clay and stones 2 1 0	Blue metal 0 2 6
Quicksand and gravel	Grey metal 0 3 4
(750 gallons of wa-	Blue metal 0 2 4
ter per hour) 3 5 4	Black stone 0 0 4
Blue clay 0 1 0	Grey metal 3 0 0
Freestone marl 1 0 5	Grey whin girdle 0 1 0
Freestone 1 1 0	Blue metal 0 1 6
Grey metal 0 2 4	White post 1 2 6
Freestone 2 3 4	Ft. In.
Grey metal 0 0 10	COAL 0 7
Grey post 0 2 6	Seggar band $0   3\frac{1}{2}$
Ft. In.	COAL 1 2°
Black band 0 1	$$ 0 2 $0\frac{1}{2}$
COAL 0 11	7 1 0
Black band 0 1	Black stone 0 0 3
<u> </u>	Seggar 0 2 0
12 2 10	Grey metal 2 3 3
0. 116 1 10.010	0 116 1 0 7 0 10 0 10
Carried forward 12 2 10	Carried forward 2 5 6 19 3 $10\frac{1}{2}$

### No. 1,966.—THICKLEY.—CONTINUED.

Seggar   S	Brought forward					Ft.		Brought forward Fs. Ft. In. Fs. Ft. I 40 2 11
Coal		_			10	0 1	2	
Seam		_		U				
COAL 1 2 Splint stone 0 1 COAL 1 7	* ~ *							
Splint stone   0   1								COAL
Seggar     0   2   10   10   10   10   10   10								
Post girdles, with metal partings   2 3 6   Whin   0 3 6   Post girdles, with metal partings   2 3 6   Whin   0 3 6   Post girdles, with metal partings   0 2 5 9   Post girdles, with metal partings   0 3 6   Post girdles, with metal partings   0 2 5 9   Post girdles, with metal partings   0 2 5 9   Post girdles   0 11½   Splint   0 0   0   0   0   0   0   0   0   0								210
Seggar   .	COAL 1 7		_					
Whin		. 0	2	10				
Post girdles, with mestal partings   Post girdles   P					4	3	4	
stone nodules 1 0 8 Grey metal, with post girdles 0 2 10 COAL, with water— Lower part of Busty Seam 0 2 8 Seggar 0 2 1 9 Grey post (4,000 gallons of water per hour) 2 2 0 Whin 1 0 0 Rough post 0 3 0 Whin 0 1 6 Strong rough post 1 3 0 Dark grey metal 0 5 6 COAL 0 0 0 8 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9	Seggar	0	2	4				Whin 0 3 6
Grey metal, with post girdles 0 2 10  COAL, with water—  Lower part of  Busty Seam 0 2 8  Seggar 0 2 19  White post 2 1 9  Grey post (4,000 gallons of water per hour) 2 2 0  Whin 1 0 0  Rough post 0 3 0  Whin 0 1 6  Strong rough post 1 3 0  Dark grey metal 0 5 6  COAL 0 0 0 8  Seggar 0 0 2 9  Grey leafy post 1 3 0  Dark grey metal 2 3 9  COAL 0 0 9	Grey metal, with iron-							Post girdles, with me-
Grey metal, with post girdles 0 2 10  COAL, with water—  Lower part of  Busty Seam 0 2 8  Seggar 0 2 4  White post 2 1 9  Grey post (4,000 gallons of water per hour) 2 2 0  Whin 1 0 0  Rough post 0 3 0  Whin 0 1 6  Strong rough post 1 3 0  Dark grey metal 0 5 6  COAL 0 0 8  Seggar 0 2 9  Grey leafy post 1 3 0  Dark grey metal 2 3 9  COAL 0 0 9	stone nodules	1	0	8				tal partings 2 5 9
COAL, with water								
COAL, with water—  Lower part of  Busty Seam 0 2 8 Seggar 0 2 4 White post 2 1 9 Grey post (4,000 gallons of water per hour) 2 2 0 Whin 1 0 0 Rough post 0 3 0 Whin 0 1 6 Strong rough post 1 3 0 Dark grey metal 0 5 6 COAL 0 0 8 Seggar 0 0 0 8 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9	. 11	_	2	10				Ft In
Lower part of Busty Seam     0 2 8   2 2 6     Splint     0 5			_					COAL, top $0.11\frac{1}{2}$
Busty Seam 0 2 8 2 2 6   Seggar 0 2 4   Strong 1 8   Strong 1								
Seggar 0 2 4 White post 0 2 4 White post (4,000 gallons) 1 0 0 Rough post 0 3 0 Whin 0 1 6 Strong rough post 1 3 0 Dark grey metal 0 5 6 COAL 0 0 8 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9	· ~ -	_	9	Q				COAL, very
Stone band   0 2 1 2 2 0	Busiy Seam	U	2	G	9	9	e	
COAL   Seggar   S	O	_	0	4	2	2	U	
The post (4,000 gallous of water per hour) 2 2 0 Whin 1 0 0 Rough post 0 3 0 Whin 0 1 6 Strong rough post 1 3 0 Dark grey metal 0 5 6 COAL 0 0 0 8 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9			2					
Trick   Fost		_	T	9				
Whin								
Whin 1 0 0 Rough post 0 3 0 Whin 0 1 6 Strong rough post 1 3 0 Dark grey metal 0 5 6 COAL 0 0 0 8 Seggar 0 2 0 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9				_				
Rough post		_		-				
Monard   M	$\mathbf{W}_{\mathbf{hin}}$	1						
Strong rough post 1 3 0  Dark grey metal 0 5 6  COAL 0 0 8  Seggar 0 2 0  Grey leafy post 1 3 0  Dark grey metal 2 3 9  COAL 0 0 9	Rough post	0						0 5 5
Dark grey metal 0 5 6 COAL 0 0 8 Seggar 0 0 2 0 Sergy metal with post girdles 1 0 0 White post 0 4 0 Sergy metal 2 3 9 COAL 0 0 9	Whin $\dots$	0	1	6				7 0 10
Dark grey metal COAL        0       5       6         COAL         0       0       8         Seggar         0       2       0         Grey leafy post        1       3       0         Dark grey metal        2       3       9         COAL         0       0       Coal Coal Coal Coal Coal Coal Coal Coal	Strong rough post	1	3	0				Sorger 0 9 0
COAL 0 0 8 Seggar 0 2 0 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9		_	5	6				
Seggar 0 2 0 White post 0 4 0 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9	0011	_						
Seggar 0 2 0 Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9		_			9	1	9	
Grey leafy post 1 3 0 Dark grey metal 2 3 9 COAL 0 0 9	Seggar	0	9	0	·	-	•	white post 0 4 0
Dark grey metal 2 3 9  COAL 0 0 9		-						2 0 9
COAL 0 0 9								
4 3 0	COAL	U	U	9			c	
					4	3	0	
			_				_	
Carried forward $40 \ 2 \ 11\frac{1}{2}$ Total *51 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Carried fo	rwa	rd		40	2	$11\frac{1}{2}$	Total *51 5 6

<sup>\*</sup> Approximate sea level 88 feet 6 inches below this.

# No. 1,967.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Account of the Boring the First Hole in Thistle Flatt Royalty. March 1st, 1848.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Brought forward	Fs. Ft. In. 6 2 0
Brown stony clay 1 3 0	Brown post 1 5 0	
Loamy sand, with water 0 4 0	Dark sandy post 0 1 4 Brown post 0 0 6	
Stony clay 3 5 0	COAL, soft foul 0 0 10	
6 2 0		2 1 8
Carried forward 6 2 0	Carried forward	8 3 8

# No. 1,967.—THISTLE FLATT.—CONTINUED.

Brought forward	r.s.	F.6.	In.	Fs. 8		In. 8	Brought forward	Fs.	Ft.		Fs. 25	Ft.	In 1
Grey metal, with iron-							Grey metal stone	1	2	0		_	•
stone girdles	1	0	4				Iroustone girdle		ō	6			
Grey and white post			0				Grey metal	Ō	1	6			
Grey metal stone, with							COAL		õ	6			
nost girdles	2	3	4							_	1	4	6
Light metal	0	4	0				Grey metal	0	4	6	-	-	U
COAL		1					Black metal, mixed	·		U			
				7	5	0	with coal	0	1	Ω			
Grey metal stone, with				•	_	•	Grey metal	ŏ		0			
post girdles	4	1	2				White and grey post	3	2	6			
White post, with a	_	_					Whin	ň	ī	1.			
gullet; set away the							White post, mixed	U	_	30			
water at 6 feet from							with whin	0	5	7			
the top	1	1	0				Whin	_	3	6			
White post, mixed	-	-	•					U	J	U			
with whin	1	2	8				Strong grey and white	1	2	4			
1371. *	ō	$\frac{2}{1}$	ő				Grey metal stone, with	1	4	#			
White and ever nest	1	ā	2					1	9	^			
White and grey post Black metal	7	1	3				post girdles		3	0			
	U	_	J				Grey post		1				
COAL Ft. In,							COAL	0	0	0			
							Into white post (left	_		~			
Black stone 2 10							off July 8th, 1848)	0	4	6	•	_	_
COAL 0 4	0	4								_	10	0	3
	0	4	2		_	٠,							
				8	Э.	. 5							
Carried for	war	d		<b>25</b>	2	1	Total				 37	0	10

# No. 1,968.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Account of the Boring in the Second Place in Thistle Flatt, on Water Gate Royalty, about 140 yards North from the First Hole. May 15th, 1848.

, Long.

Brown stony clay 1 3 0 Sand, with water 0 0 2 Brown stony clay 2 1 10 Loamy sand and clay 2 0 0 Stony clay 4 0 0 Brown and grey metal 0 4 6	Brought forward  Main Coal Seam—  Ft. In.  COAL, top 2 8 Metal 0 7  COAL, foul, mostly metal 0 4  COAL 0 6 Grey metal 0 6  Grey metal 0 6  COAL, good 4 3  Splint 0 3  Splint 0 3
	1 3 1
Carried forward 10 3 6	Total 12 0 7

# No. 1,969.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 27", Long. 1° 44' 35".

Account of the Boring in the Third Place in Thistle Flatt Royalty, about 8 yards
South-east of Water Gate Farm House, by the Burn Side, on the
South Side. June 12th, 1848.

Approximate surface level 450 feet above sea (Ordnance datum).

	$\mathbf{F}\mathbf{s}$	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sandy soil	0	3	0				Brought forward 12 1 10
Gravel, sand, and							Grey metal, with
water	0	3	6				water, about 41 gal-
Blue loamy sand	0	1	6				lons per minute 0 1 11
Blue stony clay	6	2	0				Main Coal Seam—
Brown stony clay	^		0				Ft. In.
, , , , , , , , , , , , , , , , , , ,	_			8	2	0	COAL 0 7
Brown and grey metal	1	2	0				Black grey
Grey metal stone							metal 1 1
Iron stone girdles							COAL 4 2
Grey metal	Ō	0	11				Splint 0 2
COAL, top	Ō	2	8				1 0 0
				3	5	10	
				•	•		1 1 11
~					_		
Carried f	orv	varo	1	12	1	10	Total <u>13 3 9</u>

<sup>\*</sup> Approximate sea level 368 feet 3 inches below this.

# No. 1,970.—THORNLEY.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of the Boring in a Sinking Pit, near Gore Hall.

Sunk to the scaffold			In. Fs.		
Old borehole				0 0	
Red metal, with blue			10	•	with coal 0 0 8
scares and hard					COAL 0 0 2
lumps	2	1	6		5 3 10
Red post, with blue	_	-	•		Whitish grey metal 0 1 9
scares	0	4	0		Grey scamy nost 1 0 0
Red metal, with blue	•	_	•		Grey scamy post 1 0 0 Whin mixture 0 0 10
scares	1	0	6		Grey post, with water 1 3 7
Blue metal					Grey metal 0 3 5
					0.00 2.00
Carried forward	5	3	0 31	0 10	Carried forward 3 3 7 36 4 8

# No. 1,970.—THORNLEY.—CONTINUED.

Brought forward						In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 1 41 1 10
Blue grey metal, with scares of coal near the bottom  Ft. In.	0		0		-	Ü	COAL 0 4 Brass lump or band 0 1
Hard brassy lumps or band 0 1							COAL 0 3 COAL 1 3
COAL, with scares of brass							<u> </u>
near the top 1 2 COAL, soft 0 2							Grey metal 0 3 6 Grey metal stone 1 2 6
COAL 0 10	0	2	7				Grey post, with open gullets 0 5 0 Grey metal stone, with
Bored further :-	_			4	3	2	post girdles 6 0 6 Black metal, with grey
Whitish grey metal Blue grey metal stone,	0		0				scames 0 0 6 In whin, with water 0 0 4
with post girdles Blue metal Black metal	0		0 0 1				904
Carried forward	3	4		41		10	Total 54 2 2

# No. 1,971.—THORNLEY.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat.  $54^{\circ}$  44' 56'', Long.  $1^{\circ}$  25' 45''.

Account of Strata sunk through in Thornley Colliery.

7 '1				Fs.	Ft.	In.					Fs.		
Soil	0	1	0				Brought forward	6	1	6.	25	3	0
Brown stony clay		2					Strong whin and						
Strong blue stony clay	2	3	0				white post	0	1	4			
				3	0	0	Brown and grey metal	0	4	0			
Rambly limestone,							Grey, blue, black, and						
mixed with sand	0	3	0				red scared metal	1	1	- 0			
Gullety limestone,							Red scared metal						
mixed with marly							stone	2	0	0			
partings and water	6	0	0				Grey metal			2			
Limestone, with thin	_	-	-				COAL, with water	0	1	6			
partings	6	3	0				Red and blue metal,	-		_			
Limestone, with thin	٠	•	·				with scares of coal	0	1	6			
partings, strong,							With source of con-				11	2	0
and water from 24							Grev metal	0	3	0		-	
fathoms	a	3	0				Red metal	ŏ	5	6			
		_		22	3	0	Grey metal Red metal Whin	ň	1	3			
Dark grey stone	0	0	9	44	U	٠	Strong grey post	ĭ	ō	ő			
	_	ŏ	_				Strong white post,		0	·			
		5					mixed with whin		1.	0			
	_												
Soft sandy post	3	0	2				Red and blue metal	U	4				
Carried forward	6	1	6	25	3	0	Carried forward	3	3	9	36	5	(

# No. 1,971.—THORNLEY.—CONTINUED.

														-	_
		Fs.	Ft.	In.	Fs.	Ft.	ln.	ſ		Fs.	Ft.	In.	Fs.	Ft.	In.
	Brought forward	3	3	9	36	5	0	- 1	Brought forward				84		9
	Strong white post,								Dark grey metal	0	2	0			
	mixed with red	0	4	0				-	Strong grey metal						
	Strong white post,							1	stone, with post						
	with red partings								girdles and metal						
	and water	1	4	0					partings, dark near						
	COAL, foul	0	1	3				-		17	1	1			
		_		_	6	1	0	-	COAL - Main Coal		_	-			
	Grey metal, with white				•	_	•		α	0	2	7			
	post girdles	3	3	10				- 1	Seam	v	-				
	177î ( ) 11	ő		10				- 1				-	17	5	8
		U	U	10					Dark grey and black						
	Grey metal stone, with							- 1	metal, mixed with						*
	post girdles and									^		-			
	water	10	1	4				-1	coal in some places	0	3	7			
	Dark grey metal, with								Grey metal	0	3	0			
	whin girdles	1	4	6					Strong grey metal						
	White post	0	1	9					stone, with post						
	Dark grey metal, with								girdles	3	4	9			
	post girdles	3	0	9					Black metal, with						
	Grey metal	ō	3	ō					some scares of coal	0	3	0			
	A	ŏ	2	ŏ							_	Ī			
		٠	_	U				Ĺ	COAL, with sulphur,						
	Strong white post and	8	4	0					burns to white ashes	_	_				
	whin girdles	0	4	U					-Maudlin Seam	0	1	8			
	Grey metal and metal											-	5	4	0
	stone, with scares of								Grey metal stone, with						
	coal and water near	_								9	1	4			
	the top	8	2	-0					thin girdles	2	1	4			
1	Grey metal, with thin	<b>(1</b>	1	0					COAL, rather foul	0	0	8			
	post girdles	2	0	0			*		Grey metal and metal						
		`-	•	•					stone, inclining to			_			
	Three-Quarter Seam—	_						1	post	0	4	0			
	Ft In								Strong white post,						
	COAL 1 6							-	with grey scared						
	Grey metal,								partings	3	4	0			
	mixed with								Grey post, with some						
	coal near								beds of white	3	2	0			
	the bottom 0 9								Strong white post,		_	•			
									with whin girdles	2	2	4			
	COAL 0 7									-	_	-			
	Dark grey							Ι.		0	0	3			
	metal, with								Grey scared post, with	_	_				
	scares of coal 0 3								scares of coal	0	2	0			
	COAL 0 2								Strong whitish grey						
	Dark grey								post	1	5	9			
	metal and								COAL - Low Main						
	foul coal 0 5							1	Seam	0	2	8			
	COAL 0 4												15	1	0
	Grey metal,							1	a				10	-	•
	with some								Grey metal and metal						
	scares of								stone, with post						3
									girdles	5	4	4			
	$coal \dots 0 4$								Dark grey metal, with						
7	Five-Quarter							1	post girdles	1	1	0			
-	Seam—							1	COAL, foul	ō		2			
								1	Soft jointy grey metal			<b>~</b>			
	COAL 1 8								Dark grey metal, with	•	-	-			
	COAL, strong 1 9									2	0	4			
		1	1	9				١.		_	0	T.			
	_			_ 4	1	2	9		Grey metal stone, in-	^	2	c			
				-		-		1	clining to post	0	3	6			
	~			-			_								_
	Carried fo	rwa	rd	8	34	2	9	1	Carried forward	9	5 1	0 1	23	1	5

<sup>\* (</sup>Approximate sea level Ordnance datum).

# No. 1,971.—THORNLEY.—CONTINUED.

												_	
Brought forward	Fs.	Ft. In	n. Fs.	Ft.	In. 5	Brough	nt forward	Fs.	Ft.		Fs. 65	Ft.	In.
Strong white post	ŏ	5			•	Grey metal		0	2	0	.00	-10	_
Strong grey metal	-					Brown meta		ŏ	ī	ŏ			
stone	0	1 (	5			Strong whit		2	$\tilde{2}$	7			
Grey metal and metal	Ŭ	- '	•			Grey meta		~	-	•			
stone, with post							girdles	2	5	1			
	3	0 (	3			Busty Seam			•	-			
girdles COAL, foul	ő	0 1			-	COAL	- Ft. In. 1 8	•					
Grey metal and metal	U	0 1	_			Black meta							
· ·	1	4. (	0			COAL	0 0						
	-	4 (	U										
Whitish grey post,	4	0	6			Grey meta							
mixed with whin		-	5			COAL							
Blue grey metal	0	4	J			COAL	0 5	0	9	11			
Hutton Seam- Ft. In.								U	4	TT	c	,	-
COAL 2 8						C	1	_	-	_	6	1	7
Splint 0 8						Grey metal		0	1	6			
	0	3 .	4			Strong whit				10			
			- 21	0	2	post	•••	2	3	10			
Black stone	0	0 1	^			0041	Ft. In	•					
CITE I						COAL, sla							
	- 0		0			Grey metal							
Blue metal	1	4	8			COAL	1 4	_	_	_			
Grey metal, mixed	^		^					0	3	9	_	_	
with blue	0		9								3	3	1
COAL	0	_	4			Grey metal		1	0	4			
Black sill stone	0	0 1				White and	grey post	1	2	8			
Blue metal	0	1 .	4			COAL	***	0	0	8			_
Grey metal, mixed	_										2	3	8
with blue	0		9			Grey metal		0	4	0			
Grey metal	2		0			White post		3	2	4			
Dark blue metal	0		7			Grey metal		0	3	1			
COAL	0		7			COAL, goo	od	0	<b>2</b>	0			
Blue metal	0	1 :	8								4	5	5
Blue metal, mixed		_	_			Grey metal	stone	0	0	6			
with grey	2		5			Strong whit	e post	4	4	<b>2</b>			
Post	0	1 1				Grey whin		0	1	0			
Blue metal	1		0			White post		3	1	5			
Grey metal	0		8			Grey metal		0	<b>2</b>	6			
Blue metal	0		4			Grey post		0	1	6			
COAL	0		7								8	5	1
Dark sill stone	0		5							-			
Basaltic post	0	0 1	1	•			Sunk			1	91	4	11
Grey metal	0		0										
Post	0	_	9			August, 185							
Grey metal	0	0 1				further :-	_		,	^			
Blue metal	0	2	6			Grey post		1	4	0			
Grey metal	0		6			Metal		0	1	0			
Soft blue metal	4		8			COAL	•••	0	0	6	_		_
Grey metal	1		9							_	1	5	6
Blue metal	0	3	9			Grey metal		0	5	0			
Post	0	1 (	0			Grey post		2	1	6			
Blue metal	0	0	6			Whin		0	1	2			
Grey whin	0	1 .	4			Grey metal		0	5	0			
Post	0	3	0			COAL		0	1	5			_
Blue metal	0		9								4	2	1
Post	ŏ		4			Grey metal		0	0	2			
Blue metal	ŏ		7			Grey post		0	2	6			
COAL-Harvey Seam			8		٥	Metal stone		0	1	6			
			- 21	2	6	COAL		0	1	0			
					-						0	5	2
									_	-			
Carried for	wai	d	165	4	1	1	Carried for	war	d		198	5	8

# No. 1,971.—THORNLEY.—Continued.

Brought forward	Fs.	Ft. In. 1			n. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 14 1 10 199 4 8
Grey metal stone	0	4 2		-	_	Metal 0 5 8
COAL	ŏ	0 10				COAL, with sulphur 0 0 10
			0	5	0	15 2 4
Grey metal stone	0	3 0	-	_		Metal 1 0 0
Grey post, very hard	6	0 0				White post 0 1 0
Whin	ŏ	2 0				Metal 0 4 9
White post	2	2 11				White post 1 5 3
Whin	ō	2 10				Black stone 0 3 0
White post	1	0 8				Dark metal 0 1 3
Grey metal	0	2 11				Hard girdle 0 0 3
Black stone	0	0 8				Metal 1 4 6
Grey post	2	4 6				COAL, splinty 0 0 10
Metal	0	0 2				Grey metal 0 0 11
Girdle	0	0 2				6 3 9
Carried forward	14	1 10 1	199	4	8	Total 221 4 9

# No. 1,972.—THORNLEY.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44′ 34″, Long. 1° 48′ 24″.

### Strata bored through in Thornley Estate.

Soil and clay		Fs.	Ft. 5	In. 0	Fs.	Ft.	In.	Brought forw	ard	Fs,	Ft.	In. 6	Fs. 17		In. 7
Broken freestone		1	4	0				Post stone		1	1	2			
COAL		0	1	4				Grey metal stone	•••	ō.	1	9			
		_			2	4	4	COAL	•••		3	3			
Grey metal stone		8	0	0									2	4	8
COAL		Õ	3					Thill stone		2	2	6			
	•••				8	3	0	Post stone		ō		11			
M31 *11 /		_		_	Ŭ	·	•	Grey metal stone	•••	1		9			-
Thill stone	•••	0	1	6				COAL			ĭ				
Post stone	• • •	1	0						•••	U	т	•			
COAL	• • •	0	1	8									4	5	9
					1	3	10	Thill stone		0	0	7			
Thill stone		0	1	0				Post stone		ŏ	2	7			
Grey metal stone		ŏ		10				Grey metal stone	•••	ĭ	กั	3			
Post stone		3		7				Post girdles		ō	0 5	ő			
COAL		ŏ		ò				D	•••	Ö	ő	9			
	•••	_			4	4	5	Grey metal stone	•••	ĭ	3	2			
					-30	-	U	COAL	•••						
Thill stone	•••	0	1	9				COAL	•••	0	2	8			
Grey metal stone	•••	0	2	9				•					4	3	01/2
Carried forwa	ırd	0	4	6	17	3	7	Carried	l for	war	d		29	5	01

### No. 1,972.—THORNLEY.—CONTINUED.

D 14 C 1	Fs.	Ft.	In.	Fs. 29	Ft.	In.	D		3				Fs.		
Brought forward				29	อ	$0\frac{1}{2}$	Brougl						$z_9$	Э	Už
Thill stone							Blue metal		•••						
Grey metal stone	0	5	4				COAL			0	4	4			
Grey metal and post													4	0	4
girdles	1	0	2				Thill stone						0	0	8
Post stone	0	2	0												
Grey metal stone	0	1	4												
Carried forward	2	5	4	29	5	$0\frac{1}{2}$		Total				1	*34	0	$0^1_2$

<sup>\*</sup> Approximate sea level 796 feet below this.

### No. 1,973.—THORNLEY.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Strata bored through at Thornley (upon the Tyne), in the Corner of the Lane to the South of the House, by T. Rawlings. January 10th, 1765.

Approximate surface level feet above sea (Ordnance datum).

-					_		_	21	5	9	
In strong clay	•••	•••	 	•••	5	1	9				
Leafy clay			 		0	3	0				
Stony clay			 		8	2	6				
Sand, with water			 		0	4	6				
Leafy clay			 		5	0	0				
Stony clay			 		1	5	0				
Soil			 		ъв. О	1	1n. 0	Fs.	Ft.	In.	

# No. 1,974.—THORNLEY.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Second Borehole on Thornley Estate, about 100 yards South of Old Winning, by T. Rawlings. October 19th, 1765.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 11 3 5
Soil and leafy clay 1 0 0 Stony clay 10 0 0	Black stone 0 0 7
Soft brown and blue	Grey and blue metal,
metal 0 3 0 COAL, foul 0 0 5	with brown scares and hard girdles or
——————————————————————————————————————	lumps 4 3 9
Carried forward 11 3 5	Carried forward 4 4 4 11 3 5

# No. 1,974.—THORNLEY.—CONTINUED.

Brought forward COAL, mixed with	Fs. 4	Ft. 4		Fs. 11	Ft.	In. 5	Brought forward Grey metal stone, with	Fs. Ft. 24 2	
black danty metal	0	0	7				post girdles 2 1 8		
Grey metal stone	0	1	6				Grey metal 0 3 0		
COAL	0	1	3				Black stone, scared		
Black danty metal, mixed with coal	0	0	3				with coal at top 0 1 1 COAL 0 0 4		
COAL (will cake or	U	٠	Ü						
burn to a good cin-								3 0	1
der), with water							Grey metal, with		
near bottom	0	2	3	_			scares of coal 0 0 9		
O	_	_		5	4	2	Grey post 0 5 0 Grey metal stone, with		
Grey metal stone Blue grey metal stone	0	0 4	6				strong girdles 0 4 0		
COAL	ŏ	0	8				Black stone 0 5 0		
				0	5	8	COAL 0 0 8		
Grey metal	0	1	1					2 3	5
COAL	0	0	3	_	_		Grey metal stone 0 4 6		
Dlook donte motal		_	_	0	1	4	Strong white post 0 1 6		
Black danty metal Grev metal stone	$\frac{0}{2}$	0 1	1				Grey blue metal 0 3 0		
Brown gullety post	õ	i	Ö				COAL 0 0 5		
Grey metal	ŏ	5	ŏ					1 3	5
Black stone	0	1	6				Blue grey metal 0 3 0		•
COAL	0	0	4				White and grey post 0 4 0		
D1. 1 1			_	3	2	11	Blue grey metal 0 1 6		
Black metal Grey metal and metal	0	0	6				COAL 0 1 1	1 3	7
stone, with post							In blue grey metal	0 1	2
girdles	2	1	0				in blue grey mean	_	_
CÖAL	0	1	2						
•			_	2	2	8			
Carried forw	ra nA			24	2	2	Total 3	3 1	10
Carrieu forw	raru		•	2.4	4	2	10041 3	, 1	=

Rods measured by Mr. Wilson, the bailiff, Oct. 19th, 1765.

### No. 1,975.—THORNLEY.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Fourth Borehole at Thornley Colliery, 220 yards South of the Third, in the Games Field Boring. February 9th, 1766.

Soil and gravelly clay Strong clay Grey and brown scamy post	2 1 0	Brought forward 3 3 3 Soft brown and grey scamy metal 0 2 COAL, foul 0 1	0	Fs. 4	Ft.	In.
Carried forward	3 3 0	Carried forward		4	0	0

### No. 1,975.—THORNLEY.—CONTINUED.

Brought forward Grey and brown scamy	Fs.	Ft.	In.	Fs. 4	Ft. O	In. O	Brought forward 0 4 9 13 2 8 COAL, with small
post Brown post Grey scamy metal	2 2 0	3 0 0	0 0 6				bands of metal at top 0 1 7 0 1 4
Black metal, mixed with coal  Brown scamy metal  Grey and brown post	0 2	1	0 6 0				Grey metal 2 0 9 Black metal, mixed with coal at bottom 0 0 4
Grey and brown scamy metal COAL, but will not	0		9				Grey metal 0 3 0 COAL, foul 0 0 5
cake Blue grey metal	_	0	$\frac{8}{6}$	8	2	5	Grey metal and metal stone, with post girdles 2 5 4
Grey metal 1 4 COAL 0 10 Black metal,							Black stone, with a mixture of coal 0 0 6 Blue and grey scamy mixture 0 3 0
mixed with coal 0 1 COAL 2 7 Grey metal 0 7							COAL, soft 1 2 Blue mixture 0 3 COAL, but rather soft
COAL, foul 0 4	0	5	9	1	0	3	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal Black metal, mixed with coal at bottom	0	0 4	5 4				In grey metal stone 4 0 0 1 6
Carried forward	0	4	9	13	2	8	Total 21 3 0

# No. 1,976.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Strata bored through in Thornley Grounds, about 100 yards North from Purvess's Houses, by C. Robinson and John Beason, for the Blaydon Colliery Owners.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	
Soil 0 1 0	Brought forward 12 0 0
Sand, with water at	Strong clay, with
bottom 7 2 0	scares of coal 0 2 3
Gravelly clay 1 3 0	Strong white stone 0 3 9
Strong white stone 0 0 10	Strong white stone 0 1 6
Strong clay, with	Strong clay, with
scares of coal 2 5 1	scares of coal 0 1 6
COAL, with a little	In strong blue clay 1 0 0
water 0 0 1	——————————————————————————————————————
0 0 1	
Carried forward 12 0 0	Total 14 3 0
Carried Lor Hard 12 0 0	

# No. 1,977.—THORNLEY.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Second Hole bored about 170 yards North-west from the First.

Approximate surface level feet above sea (Ordnance datum).

		. In. Fs. Ft. In	
Soil	0 1	6	Brought forward 7 4 2
Strong clay	1 0	6	Strong clay 1 4 6
Sand, with a little			Grey metal 0 1 9
water	0 0	4	COAL 0 0 9
Strong clay	1 0	8	Soft stone 0 0 9
Sand	3 3	0	COAL 0 0 3
Strong clay	0 3	0	Grey post stone, whin 0 5 9
Sand and gravel			In blue and grey
	0 3		stone 0 2 0
	0 1	. 0	11 1 11
Carried forward	7 4	2	Total 11 1 11

# No. 1,978.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Third Borehole, about 160 yards North from the Second.

Approximate surface level

feet above sea (Ordnance datum).

Soil Strong stony clay Sand and gravel Strong stony clay	0 1 0	1 5 3	0	Fs.	Ft.	In.	Brought forward 2 3 2 Brown and white post 0 2 3 Brown sandy stone 0 0 3		Ft. I	n. 4
Clay and gravel, mixed with coal  Brown clay  COAL	0	3	0		•		COAL 2 8 Grey metal 1 0 COAL 3 8 1 1 4		J	i
Sandy brown clay Blue and brown scamy post				4	0	4	In grey metal stone	8	0	8
Carried forward	2	3	2	4	0	4	Total	8	2	0

### No. 1,979.—THORNTON.

#### TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat.

, Long.

Account of Borings made at Thornton Moor. First Hole supposed to be about one mile to the West of Thornton. 1711.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In	Fs.	Ft.	In.	
Soil, red sand	l, an	d clay			 	0	1	6		- **		
Clay, with a	smal	ll feede	r of wa	ter	 	0	0	4				
Blue clay			`		 	5	3	0				
COAL					 	0	0	3				
Blue clay					 	4	0	0				
COAL					 	0	0	4			•	
Blue ramble					 	1	0	0				
COAL				***	 	0	0	7				
In blue and g	grey	stone	•••		 	4	0	0				
									15	0	0	
									_			
			Total		 •••				15	0	0	

### No. 1,980.—THORNTON.

TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat.

, Long.

Second Place, about 300 yards to the North from the First.

Approximate surface level

feet above sea (Ordnance datum).

Soil, red sand, and of Blue clay	elay 		· ···			Fs. 1 0	Ft. 1 2	In. 6 6	Fs.	Ft.	In.	
COAL Blue stone COAL				 Ft. 1 0 0	1n. 0 7 5							
Blue and grey stone	e		····.	 	<u> </u>	0  3 0	2 3 1	0 - 0 0	2	0	0	
V.,		Total					•••		3 <u>5</u>	4	0 _0	

### No. 1,981.—THORNTON.

#### TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat. , Long.

Third Place bored at 100 yards West from the Second.

Approximate surface level feet above sea (Ordnance datum).

Soil, red san	d. and	clav					Fs.		In. 5	Fs.	Ft.	In.
							2	1	6			
Rambly blue							2	0	0			
•			,			Ft. In.						
COAL	•••	•••	•••	•••	•••	0 7						
Stone	•••	• • •	•••	•••	•••	0 8						
COAL	•••	•••	•••	•••	•••	0 3	٥	1	6			
							_		_	5	1	5
			Total		•••	•••				5	1	5

# No. 1,982.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Boring in the First Hole at Thrislington, about 350 yards North by East of the Hall, and where the Owners afterwards sunk the Pit. October 21st, 1835.

Soil and limestone	Fs.	Ft.	In.	Fs. Ft.	In.	Brought forward				Fs.	Ft.	In.
ramble	0	3	0			Black metal						
Brown limestone, with					•	Blue and red metal,						
partings	1	4	0			with ironstone gir-						
White, blue, and red						dles						
metal and thin iron						Hard red girdles						
girdles	3	2	6	6		Red and blue metal	4	0	-1			
Carried forward	5	3	6			Carried forward	11	4	0			

### No. 1,982.—THRISLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs. 8			Fs. 39		
Red and brown scared		T	0				Grey metal and metal	G	J	0	JJ	2	ð
post	0	1	6				stone, rather strong,						
Red and blue metal							with post girdles	3	1	9			
and metal stone,							Strong white post,						
with post girdles	2	0	11	0			with water	0	3	0			
Black metal	0	0	7										
Red and blue metal	0	5	0				Low Main Seam-						
Blue metal and metal							Ft, In.						
stone, with post		_	_				COAL, with						
girdles	4	0	0				water 2 10						
COAL, soft and							COAL, coarse 0 3						
brassy and rather	^	-	^					0	3	1			
foul	0	1	0						-		19	1	-
rey metal and metal											13	1	7
stone and post gir-	9	2	0				Grey metal	0	0	3			
dles	3	4	U				Grey post	4	1	0			
Strong whitish grey	0	2	6				Grey metal stone		3	0			
rey post	0	2	6				COAL	0	1	7			
rey metal and metal	U		U								5	√5	10
stone, soft and							Grav matel	0	2	0	_	_	
rather dark the last							Grey metal Black metal	ő	2	2			
12 inches	2	1	0				Grey metal	ő	4	õ			
12 Mones	_	_	Ŭ				Strong white post,	U	-30	U			
							with metal partings	0	5	0			
Main Coal Seam—							Black metal	ő	5	8			
Ft. In.							Grey post	^	3	5			
COAL, strong,							White post	ŏ	4	6			
rather coarse 1 8							Whin	ĭ	2	Š			
Grey metal							Blue metal	ō	5	ō			
band 0 10 COAL, good 3 2													
							Top Hutton Seam-						
and rather							Ft, In						
foul 0 7							COAL, tender 1 2	•					
2001 0 .		_					COAL, slaty						
	1	0	3				and rather						
				26	3	3	foul 0 8						
								0	1	10			
								v	-	10	_	•	
Bored further, April								_			7	0	3
24th, 1837 :—							Grey metal	0	3	0			
A saugua bar	9	Λ	6				Strong grey metal						
A square box	3	0	0				stone	4	0	4			
Grey metal stone	1	4 2	0				COAL, slightly scared						
White post Blue metal	$\frac{1}{0}$	1	6				with brass at 3 to 12						
D1 1 / 1		0	4				inches from the top						
Grey metal and metal	0	U	4				- Bottom Hutton			,-			
stone	3	2	0				Seam	0	1	8		_	^
Grey metal stone, in-	0	_	J							-	4	5	0
clining to post	3	0	0				Black stone	0	0	6			
COAL, foul	ő	ĭ	2				Grey metal	0	3	0			
	Ü	_	_	10	~	c	Into strong white post	1	0	0			
			_	12	5	6					1	3	6
Grey metal stone	0	1	0										
Strong white post,	_		_										
with water	8	<b>4</b>	9										
0 110	_		_	_			m / 3						11
Carried forward	8	5	9	39	<b>2</b>	9	Total				72	0	11

### No. 1,983.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

, Long.

Sheet 35 of Ordnance Map. Lat.

	Approximate surf	ace level	feet a	above s	sea (Ore	lnanc	e datu	m).	
					•				
ù Ē.	Soil	;		,,			In. Fs. 0	Ft. In.	
	Brown and blue cla small stones, with	ay, mixed w a siping of	ith san water r	d and lear th	$\begin{array}{c} { m some} \\ { m e \ top \ 1} \end{array}$	4 4			
					-		— <u>15</u>	0 0	
		Total	•••	•••	•••	•••	15	0 0	
	No.	1,984.—'	THRI	SLIN	GTO	٧.			
	2101	. 1,001		~					
	TOW	NSHIP OF T	HRISLI	NGTON	, DURE	AM.			
		-		-					
	Sheet 35 of Ord	nance Map.	Lat.		, Lor	ıg.			P
Lccount	of Boring in the Th	ird Hole at	Thrist	ington	, about	100	yards	North f	rom t
		First. De	ecember	· 22, 18	835.	•	,		
	Approximate	level fe	et abov	e sea (	Ordnar	ce da	tum).		
					F	Ft	In Fa	Ft. In.	
	T ' 11		•••	•••	1	1	3 9	10. 111.	
		• • • • • • • • • • • • • • • • • • • •	• • • •		(		4		
	Brown sandy post		• • •	• • •					
					(		8 5	4 0	
	Brown sandy post		•••				8	4 0	

### No. 1,985.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Fourth Hole, in Thrislington Estate, in the First Sinking Pit. January 20th, 1836.

- 11							•	′				
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. 1	 Ft. <b>I</b>	'n,	Fs.	Ft.	In.
Sunk in the limestone,							Brought forward 2	<b>2</b>	4	49	5	9
with water, at 12							Strong grey metal					
fathoms 2 feet from							stone 0	5	0			
the surface				15	0	0		0 1	1			
To the scaffold				11	4	7			_	3	2	3
Square box	3	1	5				Grey metal, mixed					_
Strong brown lime-								0	4			
stone, with water	7	4	0					ŏ				
Strong dark grey metal	-						Grey metal, dark in	•	•			
stone, with water	0	4	6				places and scared					
Red metal	Õ	ō	6					3	0			
Dark metal	ŏ	2	ŏ				Strong grey metal	0	U			
Strong brown post	ŏ	3	ŏ					1 1	Λ			
	ő	4	ŏ				stone, with girdles 4					
White metal	·	Ŧ	. •						9	1		
Red and grey metal,	-	ο.	-				COAL, foul 0	0	6	_		
with thin girdles	1	0	1				-		_	5	4	10
Black metal	0	0	6					5	<b>2</b>			
Red and blue metal	0	2	6				Strong grey post (left					
Strong red and blue	_	_					off April 30th, 1836) 0	0 1	0			
metal stone	0	1	9						_	<b>2</b>	0	0
Hard red stone	0	1	1				×					
Red and blue metal										61	0	10
and metal stone,							Bored further Dec.					
soft the last 4 feet,							31st, 1837 :					
with girdles	4	0	2				Strong white post,					
COAL, coarse and							with whin girdles 1	Λ	9			
soft the last 8 inches	0	1	2				-		6			
		٠		19	2	8	0		4			
Grey metal stone, with							COAL		2			
post girdles	1	1	0					0	4			
Grey post, mixed with	_	_	-				Grey metal, with gir-		^			
whin	0	1	0				dles 3		0			
Grey metal	ő		4				COAL, foul 0	0	8	_	_	_
COAL, foul	0	0					-		-	5	0	5
OOAL, 10u1	U	U		2	1	0		0 -	4			
Gram motal	1	0	0	4	_	U	White and grey post,	_				
Grey metal	1	v	U						<b>2</b>			
In grey post (left off	^		c						7			
Mar. 3rd)	0	Э	6	-		e	COAL 0	0 2	2			
			_	1	3	6			-	3	<b>4</b>	3
								4 (	0			
70 7 7 74				49	5	9	Grey and white post 2	0 :	2			
Bored further, Mar.								4 (	0			
23rd:—							In strong white post,					
Grey post, mixed with							mixed with whin;					
whin	0	4	4				got Oct. 4th; left					
Grey metal		1					off Oct. 19th 1	0 :	3			
Strong white post	ì	2	8				022 0000 2000		_	5	2	5
8 Pose !!!	_	_	_							•	_	•
C	_	-	_	40	-	_	m 1				_	_
Carried forward	2	2	4	49	5	9	Total		_	75	T	11
									_	_		_

### No. 1,986.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.-

Account of Boring in the Fifth Hole in Thrislington Estate, in the Wood, about 150 yards West from the First Hole. April 30th, 1836.

Approximate surface level feet above sea (Ordnance datum).

D				Fs.	Ft.	In.	D	Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay	Z	Э	U				Brought forward				6	4	0
Brown rambly free-	_		_				COAL						
stone, with water	O	4	0				Dark metal	0	0	2			
(Box, 14 feet 4 inches							COAL, rather foul						
long.)							near the bottom	0	0	11			
Blue metal	0	1	0								4	4	9
Grey and brown scamy							Charamatal atons	0	0	0			
post Blue metal COAL, foul	2	1	0				Grey metal stone	4	9	9			
Blue metal	0	0	6				Strong white post,	^	•	_			
COAL foul	Ō	ō	3				mixed with whin	U	Z	7			
Blue metal, scared	•	•	•				Grey metal and metal						
with coal	Ω	1	2				stone (metal the last						
COAL, coarse splinty,	·	-	_				3 inches, with post						
							girdles)	3	2	9			
with a strong feeder	Δ	ی	,				Grey metal COAL	0	1	6			
of water	U	9	T	6	4	^	Grey metal	0	0	9			
				0	4	0	COAL	0	3	6			
Grey metal and metal											7	2	4
stone (metal the last							In grey metal				0	1	0
6 inches)	4	3	6				8-0,				•	_	•
o menes,	-	•	·										,
G : 1 C		-			4		m-4-1				10	~	.,
Carried forward	4	3	0	6	4	0	Total		•••	_	19	U	1:

### No. 1,987.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Sixth Hole in Thrislington Estate. May 19th, 1836.

Brown clay				Fs. Ft. In.	Brought forward				Fs.	Ft.	In.
Red, white, and blue	_	•	•		Grey metal						
metal					Grey post, mixed with			U			
Brown scamy post					whin the last 12						
COAL	0	0	<b>2</b>		inches	0	4	0			
Grey metal	0	0	<b>2</b>		Strong grey metal						
COAL					stone, with post						
Brown scamy post, mixed with metal					girdles †		3	4			
	1	9	c								
with water	1	o	O								
Country Browns and	7	-	-		Carried forward	10		_			
Carried forward	7	Э	О		Carried forward	12	4	4			

### No. 1,987.—THRISLINGTON.—CONTINUED.

Broug COAL Grey metal COAL		ard 	12 0 0	4 1 0	4	Fs.	Ft.	In.	Brought forwar In grey metal	rd 	Fs. Ft. In.	Fs. 13 0	Ft. 1 4 0	In. 4 2
	Carried	for	war	d		$\frac{13}{13}$	4	4	Total	•••		13	4	6

#### No. 1,988.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Seventh Hole in Thrislington Estate. June 6th, 1836.

Approximate surface level feet above sea (Ordnance datum).

Gravel, sand, and wat	er			,	Fs. 1			Fs.	Ft.	In.	
Soft brown post, with					2	1	0				
701					0	5	0				
Grey metal, mixed wi	th coal				0	1	6				
COAL, with water .					0	5	0				
								5	4	6	
In grey metal .		•••	•••					0	0	6	
	Total	•••						5	5	0	

### No. 1,989.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.  $\,$  , Long.

Account of Boring in the Eighth Hole at Thrislington. June 8th, 1836.

Red and blue metal Soft scamy post White metal COAL, soft foul	$\begin{array}{ccc} 3 & 0 \\ 0 & 3 \\ 0 & 1 \end{array}$	0	Brought forward Blue and grey meta and metal stone with strong post	5		In. Fs. 6	Ft. In.
Scamy post	1 3	<b>4</b>	girdles	5	1	9	
Strong white post,			CÖAL	0	1	7	
	0 1	6	Grey metal	0	1	0	
			COAL	0	3	1	
				_		- 11	4 11
			Grey metal			0	0 9
~							
Carried forward	5 3	6	Total		•••		5 8

#### No. 1,990.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map.	Lat.	, Long.
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Account of Boring in the Ninth Hole in Thrislington Estate. June 20th, 1836.

Approximate surface level feet above sea (Ordnance datum).

		_				
	Fs.	Ft.	In.	Fs. Ft	. In.	Fs. Ft. In. Fs. Ft. I
Gravel and sand, with	_		_			Brought forward 14 0 0
water	3	4	U			Metal and limestone
Blue stony clay	7	1	3			marl 0 3 6
Soft brown rambly						Red and blue metal 0 5 6
freestone, mixed						COAL, foul 0 1 1
	Λ	Λ	0			
with clay	U	U	g			15 4
Marl and freestone						Loose limestone and
$\mathbf{ramble}  \dots  \dots$	1	0	0			clay 0 5 0
Red metal	0	1	0			Blue metal 0 5 3
Marl, mixed with clay						Strong red post 0 0 8
Red and blue metal						——— 1 4 1
ned and blue metal	U	J	U			1 4 1
						-
Carried forward	14	0	0	,		Total 17 3

### No. 1,991.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Eleventh Hole in Thrislington Estate, 200 yards North from the First Pit. March 6th, 1837.

Blue stony clay	7.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 8 2 7 18 0 9
	0	3	ő				
Red clay	1		3				
Gullety limestone	Ţ	0					COAL 0 0 1
Sand	0	2	0				Grey metal 0 0 3
Red and grey metal	0	1					COAL 0 0 4
Limestone	1	0	0				Grey metal 0 0 4
Brown post, with							COAL, soft 0 0 3
water	0	2	0				COAL 0 1 2
Red and blue metal	0	1	6				Grey metal 4 1 8
Sand	0	0	6				COAL 0 0 6
Dark metal	0	2	6				Grey metal 0 0 3
				18	0	9	Black metal 0 0 3
White post, with					-	-	Dark grey metal 0 0 9
water	2	0	0				Supposed Five-Quarter
Grey metal stone	_		3				1 16
Black stone	ñ	1	2				COAL, with
	0	3	6				
Grey metal	0		10				
Black stone	0	1	ΙU				COAL, splinty 1 5
Grey metal stone, with	_	_					0 5 1
girdles	1	2	6				14 1 7
COAL	0	0	4				
Carried forward	8	<b>2</b>	7	18	0	9	Total 32 2 4

### No. 1,992.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Twelfth Hole in Thrislington Estate, in a Field on the North Side of the Clarence Railway, named Whinney Hill. November 2nd, 1837.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Stony clay 1 1 0	Brought forward 27 0 0
Brown limestone 13 3 3	Grey metal, mixed
White post 0 5 0	with coal 0 1 0
Grey metal        2       5       7         Red post        3       1       2         White post        0       3       2	27 1 0
Red post 3 1 2	Black metal 0 · 2 0
White post 0 3 2	Light grey metal 0 2 6
Red post, mixed with	White post 0 1 3
whin the last 7	Grey metal 0 2 1
inches 0 3 7	Whin, got Dec. 6th;
Red and blue metal 1 1 0	left off Jan. 11th 2 5 2
Grey metal stone 3 0 3	4 1 0
	,
Carried forward 27 0 0	Total 31 2 0

#### No. 1993.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in Thrislington Coal Pit, in the Drift over the North Dyke, October 20th, 1837.

Approximate surface level

feet above sea (Ordnance datum).

94		.:4		mbin			Fs.	Ft.		Fs.	Ft.	In.
Strong white	post, i	nixea	WILL	WIIII			U					
Blue metal, v	rith gir	$_{ m dles}$				•••		0				
COAL					***	•••	-	_	9			
Band of grey	metal							-				
COAL							0	5	3			
						,				2	5	9
			Total		•••	•••		•••		2	5	9

### No. 1,994.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of the Boring in Thrislington Estate, about 213 yards East from the Old Coal Pit. August 29th, 1839.

Approximate surface level

feet above sea (Ordnance datum).

Soil and clay 0 4 0 Limestone ramble 0 3 0 Strong brown limestone, with water at 8 fathoms from the top 10 0 0 White metal 10 0 3 Red and grey metal 0 1 3	Brought forward 1 5 0 11 1 0  Black metal 0 0 5  Red and grey metal 1 1 0  Strong red post 0 1 2  Red and grey metal 0 4 0  Whin 0 2 1  Blue metal, with girdles 7 3 4  ——————————————————————————————————
Carried forward 1 5 0 11 1 0	Total 23 0 0

### No. 1,995.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

An Account of the Boring in Thrislington Royalty, about 80 yards South from the Little Five-Quarter Pit. January 18th, 1851.

Soil				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 3 7 5 2 4
Brown clay							Grey metal, mixed
	2						with post 5 0 1
COAL, soft, and							COAL, soft 0 0 11
water	0	1	8	_			Rods dropped into the
Q 4-3	_		_	5	<b>2</b>	4	Old Main Coal
Grey metal							waste 0 4 10
Brown and grey metal							7 3 5
Brown and grey post	U	3	7				Grey metal 0 3 3
		• •			٠		Grey metal stone 0 5 6
Carried forward	1	3	7	5	2	4	Carried forward 1 2 9 12 5 9

### No. 1,995.—THRISLINGTON.—CONTINUED.

Brought forward Black metal Black metal Grey metal stone Soft grey metal, mixed with coal Grey metal stone COAL, soft  Grey metal stone COAL  Grey metal stone COAL  Grey metal stone White post Grey metal stone Strong metal stone Strong white post Strong metal stone White post COAL, strong—Low Main Seam  Grey metal Bored further:— Grey metal Grey metal Grey metal  Grey metal  Grey metal  Grey metal  Grey metal  Grey metal  Grey metal stone COAL, soft Grey metal stone COAL, soft Grey metal Grey metal stone COAL, soft Grey metal Grey metal stone COAL, soft Grey metal Grey metal Grey metal Grey metal stone	0 1 6 0 1 6 0 1 6 0 1 6 0 2 2 3 8 0 0 2 2 2 COAL, br  0 1 8	Tt. In.  1 3  1 3  1 4 1 0  1 4 1 0  1 5 4  1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Grey metal stone COAL, soft Grey metal COAL Dark metal Grey metal White post	4 2 0 dles 0 1 6 Harvey See 0 0 6 COAL, 9 1 0 0 2 3 8	2 3 7  am—  Ft. In.  good 4 0  bad 0 1
Metal stone  Carried forward	0 5 6 13 3 7 37 4 4 Dark grey	metal 0 1 1 Total 88 0 1

### No. 1,996.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41′ 56", Long. 1° 31′ 8".

Strata sunk through at the Jane Pit, Thrislington Colliery. 1867.

Approximate surface level 410 feet above sea (Ordnance datum).

Outset Fs. Ft. In. Fs. Ft. In. 1 2 0	Fs. Ft. In. Fs. Ft. In. Brought forward 3 0 0
Soil and gravel 1 4 0	Marl 2 3 0 Limestone 16 3 0
	22 0 0
Carried forward 3 0 0	Carried forward 22 0 0

### No. 1,996.—THRISLINGTON.—CONTINUED.

Dunnaht famous ad	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward	^	4	^	22	0	0	Brought forward 72 4 5
Black metal	0	4	0				Fire clay 0 1 2
Grey metal	2	2	0				Grey metal 0 5 0
Post	0	4	0				Hard white post 15 0 0
Grey metal	2	3	0				Blue metal 4 2 0 ·
Grey metal, scared							Hard white post 8 0 0
with coal	2	1	0				Blue metal 2 0 3
Main Coal Seam Waste	0	5	6				COAL — Harvey
				9	1	6	Seam 0 4 4
Fire clay	0	2	6				31 0 9
Fire clay	2	2	ő				
Grey metal	0		0				Total sunk 103 5 2
Strong grey metal	-	3	-				10001 0001
Hard grey post	1	3	6				
Black metal	0		10				Donal funtion Was
Strong grey metal	3	3	8				Bored further, Flor-
COAL	0	1	2				ence Pit:—
				8	5	8	Grey metal 16 5 6
Fire clay	0	1	10				COAL 0 0 9
	v	-					——————————————————————————————————————
Strong grey metal, with ironstone gir-							
11	1	4	0				Grey metal 0 1 6
COAL		_					COAL 0 1 0
COAL	0	0	4		^		0 2 6
				2	0	2	Grey metal 4 5 0
Strong grey metal,							Dark metal 0 0 8
with post girdles	3	2	8				COAL 0 2 11
Hard white post	1	0	0				5 2 11
Whin girdle	0	2	0				5 2 7
Hard grey post	1	ō	Õ				Grey metal 0 3 0
Strong grey metal,	_	·	•				Grey post 0 3 9
with post girdles	2	0	0				COAL 019
	ī	4	ő				1 2 6
Post	-	-12	U				Grev metal 0 2 4
Strong grey metal,	4		0				
with post girdles	4	2	6				COAL 0 0 6
Low Main Seam-							0 2 10
Ft. In.							Grey metal and a post
Post girdle 2 0							girdle 7 2 0
COAL 2 6							Grey post 0 3 0
	0	4	6				COAL 006
				14	3	8	7 5 6
Strong grey metal	0	5	7		·	•	
Hard white post	4	ő	2				Grey post $\dots$ $050$
	1		õ				Grey metal and post
Dark grey metal COAL	ō		10				girdles 5 1 0
774 7	0	i	6				Grey and white posts 2 0 6
Fire clay							COAL 003
White post girdle	0	1					8 0 9
Blue metal	0	0	7				White and grey post 5 2 0
COAL	0	0	7				
Dark blue metal	0	4	8				
COAL	0	0	6				<del></del> 5 3 2
Post	<b>2</b>	0	4				Grey metal and post
COAL, foul	0	0	6				girdles 6 4 0
Fire clay	0	<b>2</b>	6				Grey post 1 1 0
(	0	2	9				7 5 0
Blue metal	4	0	3		_	*	
COAL—Hutton Seam	_	-	10				
JOHL-Hullow Seam	_	_		15	5	5	
			_	ΤÛ	J	J	
							Total sunk and bored 158 0 3
Carried forv	varo	d		72	4	5	Total sunk and bored 158 0 3

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,997.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Boring in the First Place in the Turnip Field near Throckley, and in E. Nicholson's Banks. 1752.

with girdles or catheads 0 3 9															
Strong white post, mixed with whin 0 0 9 9 Grey post 0 4 0 Soft rotten brown post, with much water 0 1 6 Brown and grey post 0 3 0 Grey metal 0 0 5 5 COAL, with water 0 1 1 1 Soft grey metal stone, with girdles or catheads, and water in some places 3 3 0 0 Grey metal stone 1 3 0 0 0 Strong grey post 0 2 0 0 An open gullet 0 0 4 Grey and white post, with girdles or catheads crey slaty metal crey metal, with girdles or catheads 0 0 0 8 Strong grey slaty metal Grey metal, with girdles or catheads 0 0 0 8 Grey metal, with girdles or catheads 0 0 0 8 Grey metal, with girdles or catheads 0 0 0 8 Grey metal stone 0 0 0 8 Grey metal 0 0 0 5 Grey metal stone 0 0 0 9 Grey metal stone 0 0 0 5 In grey metal stone 0 0 2 5 In grey metal stone 0 2 5 Open grey and white post, with much water 1 4 0	Soil and sandy gravel				Fs.	Ft.	In.		Brought forward						
Mossy sand and channel, with a siping of water 1 3 0									••	_	_	•		_	-
New of water   1   3   0   0   0   0   0   0   0   0   0		·	•	-						Ω	n	a			
Soft rotten brown   post, with much water															
Brown and grey rambly stone 0 1 6 Brown and grey post 0 3 0 0 Whin 0 0 4 White and grey scamy post, with water 0 0 5 3 Whin 0 0 4 White and grey scamy post, with partings 0 5 2 Grey and blue metal 0 1 0 Strong grey post 0 0 4 Grey, green, and brown scamy metal 0 3 0 Grey, green, and brown scamy metal 0 3 0 Grey metal stone 1 3 0 A post girdle or lump Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0 8 Grey metal, with girdles or catheads 0 0 8 Grey metal, with girdles or catheads 0 0 8 Grey metal, with girdles or catheads 0 0 3 9 Grey metal stone 0 0 1 6 Grey metal 0 0 5 In grey metal stone 0 0 5 Grey metal stone 0 0 9 Grey metal stone 0 0 9 Grey metal stone 0 0 5 In grey metal stone 0 0 5 In grey metal stone 0 2 5 Grey metal 0 2 5 Grey metal stone 0 0 5 In grey metal stone 0 2 5 Grey metal stone 0 2 5 Grey metal stone 0 2 5 Grey metal stone 0 0 5 In grey metal stone 0 2 5 Grey metal stone 0 2 5 Grey metal stone 0 0 5 In grey metal stone 0 2 5 Grey		1	3	0						U	-16	U			
Brown and grey rambly stone 0 1 6 Brown and grey post 0 3 0 Grey metal 0 0 5 COAL, with water 0 1 1	OI Water	_		_	3	0	0	)							
bly stone 0 1 6 Brown and grey post 0 3 0 Grey metal 0 0 5 COAL, with water 0 1 1	1								X	Λ	5	Q			
Brown and grey post 0 3 0 Grey metal 0 0 5 COAL, with water 0 1 1		0	1	c					3371 +						
Dock   Coal   Dock   Dock										U	•	-30			
COAL, with water   0	Brown and grey post									Ω	5	2			
Strong grey post	crey metal											_			
An open gullet 0 0 4	SUAL, with water	U	T	T											
Soft grey metal stone, with girdles or catheads, and water in some places 3 3 0 Crey, green, and brown scamy metal 0 3 0 Grey metal stone 1 3 0 A post girdle or lump 0 0 3 Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0 COAL 0 0 0 8  Blue and grey metal, with girdles or catheads 0 0 0 7  Blue and grey metal, with girdles or catheads 0 0 0 7  COAL 0 0 1 6 Grey metal stone 0 1 5 In grey metal stone 0 2 5  Grey metal stone 0 0 0 5 In grey metal stone 0 1 5 In grey metal stone 0 2 5  Grey metal stone 0 1 7					1	0	C	)							
with girdles or catheads, and water in some places 3 3 0 3 3 0 Grey, green, and brown scamy metal 0 3 0 Grey metal stone 1 3 0 A post girdle or lump 0 0 3 Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0 9 2 11  Blue and grey metal, with girdles or catheads 0 0 3 9 COAL 0 0 0 7 0 4 4 Grey post 0 0 1 6 Grey metal 0 0 4 9 Open grey and white post, with much water 1 4 0	Soft grey metal stone									0	J	-10			
heads, and water in some places 3 3 0 Grey, green, and brown scamy metal 0 3 0 Grey, green, and brown scamy metal 0 3 0 Grey metal stone 1 3 0 A post girdle or lump 0 0 3 Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0 0 8 Grey metal, with girdles or catheads 0 0 0 8 Grey metal, with girdles or catheads 0 0 3 9 Grey metal stone 0 0 0 5 In grey metal stone 0 0 0 5 In grey metal stone 0 2 6 Grey metal, with black scames 0 0 0 9 Grey metal stone 0 0 0 5 In grey metal stone 0 0 0 5 In grey metal stone 0 2 5 Grey metal stone 0 2 5 In grey metal stone 0 2 6 Grey metal 0 2 5 In grey metal stone 0 1 6 Grey metal 0 4 9 Open grey and white post, with much water 1 4 0	with girdles or cat-									0	5	6			
Some places     3   3   0	heads and water in									_					
Crey, green, and brown scamy metal		3	3	0					1						
Scamy metal		Ū	•	-						·	•				
Grey metal stone 1 3 0 A post girdle or lump Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0 COAL 0 0 8 Strong white post, with girdles or catheads 0 3 9 COAL 0 0 0 7		0	3	0									7	3	8
A post girdle or lump 0 0 3 8 10 5 0 6 10 6 10 10 10 10 10 10 10 10 10 10 10 10 10										`					
Black grey slaty metal 0 5 0 Grey metal, with girdles or catheads 3 0 0  COAL 0 0 8  Blue and grey metal, with girdles or catheads 0 0 3 9  COAL 0 0 0 7  Grey metal stone 0 0 5 In grey metal stone 0 0 5 In grey metal stone 0 1 6 Grey metal stone 0 2 5  The grey metal stone 0 1 7  In grey metal stone 0 1 7  Grey post 0 0 1 6 Grey metal 0 4 9  Open grey and white post, with much water 1 4 0		_							Grev metal	0	2	6			
Grey metal, with girdles or catheads 3 0 0 8										•	_	•			
Grey post     0   1   6   6   6   6   6   6   6   6   6		•							,	0	0	9			
COAL 0 0 8	dles or catheads	3	0	0											
Blue and grey metal, with girdles or catheads 0 3 9  COAL 0 0 7  Grey post 0 1 6 Grey metal 0 4 9  Open grey and white post, with much water 1 4 0					Ω	9	11			0	0	5			
Blue and grey metal, with girdles or catheads 0 3 9  COAL 0 0 7				_	Э	4	1.1	L			2	5			
Grey post 0 1 6 Grey metal 0 4 9 Open grey and white post, with much water 1 4 0	Blue and grey metal,								and great account						
Grey post 0 1 6 Grey metal 0 4 9 Open grey and white post, with much water 1 4 0	with girdles or cat-									_			1	1	7
Grey post 0 1 6 Grey metal 0 4 9 Open grey and white post, with much water 1 4 0									1						
Grey post 0 1 6 Grey metal 0 4 9 Open grey and white post, with much water 1 4 0	COAL	0	0	7											
Grey metal 0 4 9 Open grey and white post, with much water 1 4 0					0	4	4	4							
Grey metal 0 4 9 Open grey and white post, with much water 1 4 0	_	_	_	_	-	_									
Open grey and white post, with much water 1 4 0									1						
post, with much water 1 4 0			4	9											
water 1 4 0															
	post, with much			_											
Carried forward 2 4 3 14 1 3 Total 23 0 6	water	1	4	0											
Carried forward 2 4 3 14 1 3 Total 23 0 6															
Carried forward 2 4 3 14 1 3 Total 23 0 6					_			_							
Carried Lot Water 2 2 2 2 2 2	Carried forward	2	4	3	14	1		3	Total				23	0	6
	Carried for ward	_	-10	·		-		_	1			-			

### No. 1,998.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Second Place in the Turnip Field near Throckley, about 100 yards to the East from the First. 1752.

Approximate surface level

feet above sea (Ordnance datum).

Soil and brown stony clay Blue sleeky sand Brown sandy channel, with water		 Fs. Ft. In. 1 3 6 0 2 0 0 3 6	Fs. Ft. In.
			2 3 0
Brown and grey rambly stone Grey post, with water near the bottom COAL		 $\begin{array}{cccccccccccccccccccccccccccccccccccc$	
In grey and black scamy metal		 	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Total	•••	 =	4 2 1

### No. 1,999.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Third or West Borehole at Throckley.

Approximate surface level

feet above sea (Ordnance datum).

Soil	0	0		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 3 0
Brown sandy clay	0	1	0				Ft. In.
Stony gravel, with							COAL 1 8
	2		6				Grey metal,
Blue stony clay Brown ramble	0	4	0				mixed with
Brown ramble							coal 1 2
Brown post	3	0	0				COAL 0 6
White post, mixed							0 <b>3 4</b>
with whin	0	2	6				<del></del>
Brown and white post	1	4	0				Grey metal, mixed with
Grey metal, with							coal 0 0 6
water	1	0	0				Grey metal 4 5 2
							Grey post 1 0 0
						1	Brown post, with
						j	water 3 0 0
						- 1	
Carried forward	10	3	0			I	Carried forward 8 5 8 11 0 4

### No. 1,999.—THROCKLEY.—CONTINUED.

Brought forward				Fs. 11	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 32 1 3
White post		5	ő		·	-	Grey metal 0 3 0
Grev metal		ĭ	-				
	_	ī					
COAL	U	-	U	10	2	2	White post, with water 1 3 0
C	0	2	0	10		2	
Seggar clay	U	4	U				1
White post, with metal	-		^				Grey metal stone, with
partings	Ť	3	0				post girdles 1 0 0
Dark grey metal	0	2	0				Dark metal 0 4 9
COAL	U	U	6	_	_	_	COAL 0 0 3
	_	_		2	1	6	5 4 0
Grey metal, with post							Seggar clay 0 3 0
girdles	<b>2</b>	0	0				Grey metal 1 1 6
Grey post, with water	0	4	0				Grey metal, mixed
White post, with water	3	0 2	0				with coal 0 2 6
Grev metal	0	2	6				Grey metal, with post
COAL	0	1	0				girdles 1 5 4
				6	1	6	COAL 0 1 0
Grev metal stone	0	5	0				4 1 4
Grey post	ĭ	1					Grey metal, with post
Grey metal	ñ	õ	4				girdles 4 1 0
0041	ŏ	ĭ	5				White post, with water 3 4 2
COAL				2	1	9	7 5 2
						_	7 5 2
Carried for	****	a		32	1	3	Total 49 5 9
Carried for	war	u		04	T	J	Total 49 5 9

### No. 2,000.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Fourth Borehole at Throckley, about 100 yards from South-west corner of Mr. Stephenson's House.

Soil		Ft. 2		Fs.	Ft. In.	Brought forward	Fs. 5	Ft,	In. I 7 1	's. :	Ft. 3	In. 11
Brown clay	 0	4	0			Black metal			0			
Brown ramble .	 1	0	0			Grey metal stone	2	5	6			
Brown post	 9	1	0				0					
Black metal	 0	1	0			Whin (got Aug. 3rd;						
Brown post	 2	5	0			through Sept. 7th)	1	1	0			
~	 2	1	8			White post, with metal						
A O A I	 0	1	3			partings	1	1	4			
			— :	Ł6	3 11		2					
Grey metal	 1	0	0			Grey metal stone, with						
Brown post, wit						post girdles	1	1	0			
	 2	3	7				4					
		ō				Grey metal stone		1				
•												
Carried forward	5	3	7	16	3 11	Carried forward	19	3	9 1	6	3	11

#### No. 2,000.—THROCKLEY.—CONTINUED.

Brought forward	Fs. 1						Brought forward	Fs.	Ft.	In.	Fs. 51		
Engine Seam- Ft. In.							Seggar clay	0	3	0			3
COAL 3 9							Grey metal stone and post girdles	1	^	^			
Dark metal, mixed with							XX71 */	0		0 10			
coal 0 2							White post Whin (got Nov. 15th,	v	4	10			
COAL 0 1							through Dec. 4th)	0	2	6			
	0	4	0				White post	3		6			
			_	20	1	9	Grey metal stone and						
rey metal	_	0	0				post girdles			6			
CO'AL	0	1	0		_		COAL	0	1	3			
	_	0	_	1	1	0					7	5	7
rey metal	$\frac{0}{3}$		0 4				Grey metal, mixed						
White post	_	1	_				with coal	0	1	1			
JOAL		_	_	3	4	0	COAL	Õ	ō	3			
rey metal or seggar				•	-	·	Grey metal, mixed						
clay	0	2	0				with coal	0	0	4			
rey metal, with post							Grey metal stone and						
girdles			0				post girdles	4	0	0			
Vhite post			0				White post	1	5	2			
Vhin	0		6				COAL, foul	0	0	6			
rey metal	0	4	0				Soft grey metal Grey metal stone and	0	1	О			
trey metal stone and	3	1	4				post girdles	1	1	9			
post girdles			4 2				COAL, foul	ō	ō	2			
OAL			_	6	2	0	Blue metal	ŏ	2	ō			
rey metal or seggar				Ü	-	Ŭ.	Grey metal stone	1	3	6			
clay	0	1 3	10				~ 14 . ~						
rey metal stone and							Splint Seam— Ft. In.						
post girdles			0				COAL 2 8						
White post			0				COAL, splint 0 2						
rey metal stone	0		6				Seggar clay 2 5						
COAL	0	0	6		0	10	COAL " 0 3						
Y	_	1	3	2	z	10		0	5	6			
rey metal stone	0	1	o							- 1	10	3	-
Seam	0	2	5				In grey thill				0	0	
			_	0	3	8							
						_							_
Carried for	ward	l		51	1	2	Total				<b>6</b> 9	4	7
										_	_		_

### No. 2,001.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Bored near Throckley, about 350 yards to the North-west from the Smith's Shop North of Throckley. May 20th, 1752.

4	rbbroxim	wee.	our.	tacc icver		cet above sea (Ordnance	CLLEU	,	•			
Grey metal, w	vith post			In. Fs. Ft.	In.	Brought forward Grev metal, with post	5	0	0		Ft.	In.
8		_				Grey metal, with post girdles and water	1	2	6			
Carried f	forward	5	0	0		Carried forward	6	2	6	•		

### No. 2,001.—THROCKLEY.—CONTINUED.

Brought forward		6	s. Ft.	In.	Brought forward Grey metal, with post	Fs.	Ft.		Fs. 14		In. 2
			3	1	girdles	0	1	0			
Grey metal, with post girdles Green and grey post	1 4	0			Grey girdly post, with metal partings COAL	0	4 1	0			
White and grey post					Grey metal		1	_	1	0	8
COAL, foul	0 0	7			In grey metal stone	ő	ō	6			
		8	3 0	1				_	0	1	6
Carried for	ward	1	4 3	2	Total		•••	_	15	5	4

### No. 2,002.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second Place bored at Throckley, about 100 yards to the North-west from the First Place. In Madio's Pasture. June 1st, 1752.

0.0. 11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and brown clay	1	0	. 0				Brought forward 6 5 0 5 0 10
Leafy clay, with a							Grey metal stone 1 0 0
siping of water	1	0	0				Grey post 0 4 0
Sand and soft red clay,		_					Grey post 0 4 0 Whin 0 0 4
with water	0	1	6				A soft grey sandy
				2	1	6	parting or gut 0 2 0
Green and grey post							Brown post, with grey
COAL, foul	0	0	6				scames and set away
				1	3	6	the water 3 4 6
Grey metal, with post							COAL, foul 0 0 5
girdles	1	0	0				12 4 3
COAL, but foul at							Grey and blue metal
the bottom	0	1	10				stone 1 0 0
				1	1	10	Brown and grey post,
Grey metal	0	2	0	_	_		with metal partings 2 1 0
Grey post		0					Blue metal 0 0 3
Brown post, with open	_	•	•				COAL 0 4 10
girdles near the							4 0 1
	1	9	Λ				In white metal 0 0 2
Blue and grey metal		0					In white metal 0 0 2
Black metal							
Diack metal	т						
Carried forward	6	5	0	5	0	10	Total 21 5 4
		-	-		-		

### No. 2,003.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Fifth Place in Throckley Banks, about 90 yards to the East from the Fourth Place, near the Engine Pit, Wm. Greer's Bank. Oct. 20th, 1752.

Approximate surface level

feet above sea (Ordnance datum).

Soil and clay	Fs.			Fs.	Ft.	In.	Brought forward 7	Ft.	In.	Fs.	Ft.	
		0					White post, with a	4	U	J	4	10
ravelly clay Soft stony clay, with	1	U	U				mixture of whin					
water at the bottom	1	Λ	c				girdles or lumps 3	<b>z</b> .	Λ			
Proven and constrain	1	U	O									
Brown and grey ram-	Λ	4	o					9	0			
bly stone	Ŏ	4	2					o	U			
COAL, with water	U	T	Z			10	COAL, hard, foul,	^	•			
1				3	Z	10	brassy 0	U		10	_	11
rey metal stone, with							St	_		12	U	10
brown and grey		_	_				Strong white post 0	0	9			
girdles	z	0.	U				Blue metal U	Ţ	ņ			
rey and brown							Grey metal 1	Ü	ņ			
rambly post, with		_	_				White post 0	z	ŏ			
water	1	0	U				Blue metal 0 Grey metal 1 White post 0 A metal parting 0 White post 0	ũ	9			
rey metal, with some							White post 0	3	U			
small girdles or cat-	_		_				Strong white post,	_	_			
heads	2	1	0					0	0			
Black metal, with							White post, with grey	_	_			
some small sparkles	_	_	_				scamy partings 2	2	0			
of coal in it	0	3	6				Grey metal 0	0	8			
rey post, with grey	_		_				COAL, hard Ft. In.					
scamy partings	1	4	6									
Open post, and settled							slaty 1 1 COAL, with					
the water 2 feet	0	1	0									
							water $\frac{3}{2}$ $\frac{3}{2}$	4	1			
							0	4	4	0	0	
							In amountal		_	8	0	4
Carried forward	7	4	0	3	2	10	In grey metal			U	U	4
							Total			21	0	4
							Total	•••	_	44		

#### No. 2,004.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Sixth Place near Throckley, on the Bank about 600 yards to the South from the Town, about 80 yards from the foot of the West Awards. 1752.

Soil and clay Ramble Brown post	$^{2}$	$0 \\ 1$	0 6	Fs. Ft. In.	Brought forward Brown and grey metal, with water	5	3	0	Fs.	Ft.	In.
Carried forward	5	3	0		Caraied forward	6	0	0			

### No. 2,004.—THROCKLEY.—CONTINUED.

		-					
Brought forward		Ft.		Fs.	Ft.	In	Fs. Ft. In. Fs. Ft. In. Brought forward 22 1 3
Brown and white post		0					Grey metal stone 0 4 9
Grey post	_	1	6				COAL 0 0 8
White and brown post,							0 5 5
with metal partings	2	0	6				Blue grey metal 1 4 0
Grey metal, with post							White post, with much
girdles		0	0				water 1 0 0
COAL	0	1	4		_		White post, mixed
~	_			11	3	4	with whin 6 0 0
Grey metal, with post							Blue metal, with post
girdles	_						girdles 0 2 6
White post		4	0				Ft. In.
Grey metal, with post			_				COAL 0 9
girdles and water	_	3					COAL, hard
Black stone		0	0				scare, bandy 0 5
Grey post	T	3 5	0				COAL, with
		2					water 3 7
White post, with water	_	0					0 4 9
COAL	0	U	9	10	9	11	——————————————————————————————————————
				10	0	11	In grey metal 0 0 2
Carried f	OPIL	and		22	1	3	Total 33 0
Carried	OI.M	aru		44		o	10ta1 55 U

#### No. 2,005.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0′ 18", Long. 1° 45′ 24".

Account of the Boring in Old Pit Shaft on Throckley Fell, about 10 yards on the North Side of the Mill Race, and 300 yards West from the Mill. The first and eastmost Main Coal Pit laid dry by Dewley Burn Level. March 9th, 1756.

	T7	Title	T	Fs.	TH	T.,	Fs. Ft. In. Fs. Ft.	T
Box				rs.	Pt.	III.	Brought forward 0 3 4 6 2	
Old borehole							Grey metal stone, with	Ŭ
Grey and blue metal,	_	_	·				post girdles or lumps	
with post girdles	2	0	0				and water 3 4 0	
White post, with							Blue metal, with water	
scamy partings	1	1	6				and rose to the scaf-	
Grey metal COAL	1	3	0				$\mathbf{fold} \qquad \dots \qquad \dots \qquad 0 0 9$	
COAL	Ú	1	<b>2</b>				Grey metal 0 2 0	
				6	2	<sup>*</sup> 8	Grey metal stone, with	
8-64				·	_	•	post girdles 0 3 0	
Soft grey and blue metal, with some							Grey metal, with post	
scares of coal	Λ	9	4				girdles 1 4 6	
scares of coat	U	o	4				COAL 0 0 3	10
							6 5	TO
Carried forward	0	3	4	6	2	-8	Carried forward 13 2	6

### No. 2,005.—THROCKLEY.—CONTINUED.

Brought forward Grey metal, with post girdles White post An open parting, with	0	4.	6	Fs. 13		In. 6	Brought forward 5 4 3 13 2 COAL, jet or Ft. In. slaty 0 10 COAL 2 5 COAL, hard
much water White post Open gullety post, with much water	0 3	0	0				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
White thready post, with water Grey metal	1 0	1 0	4 5				Black metal, mixed with coal 0 0 6 In grey metal stone 0 0 10
Carried forward	5	4	3	13	2	6	Total 20 1 1

### No. 2,006.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 36″, Long. 1° 46′ 24″.

Account of the Boring in the Thistle Pit, near Throckley. March 25th, 1756.

Approximate surface level 270 feet above sea (Ordnance datum).

Loose metal Grey and white post, with metal partings and water in some places  Ft. In. COAL 0 10 Grey metal,	3	3	0	Fs.	Ft.	In.	Brought forward 4 4 6 4 4 Grey thready post, with water 0 2 6 Grey metal stone 0 3 0 Blue and grey metal 0 1 3 COAL 1 9 Grey metal 1 2 COAL 0 7
scared with							0 3 6 2 9
COAL 0 2 1 1	0	2	1	4	4	9	Grey metal and metal stone, with post girdles or lumps 2 3 0
Grey metal Post girdles, with me-	0	3	0	_		·	Ft. In.  COAL, coarse 0 5
tal partings	0	4	6				Soft grey metal 0 11
White post, with water Blue metal, with some small scares of coal	2	0	0				COAL 3 3 0 4 7 3 1 7
near the top Grey and blue metal	0	1	6				Soft grey metal 0 0 7 In grey metal, with
stone	1	1	6				girdles or lumps 0 2 5
Carried forward	4	4	6	4	4	9	Total 15 0 1

### No. 2,007.—THROCKLEY.

### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 49″, Long. 1° 45′ 59″.

Account of the Boring in the Chance Pit, at Throckley, from the Engine Seam.

May 24th, 1756.

Approximate surface level 350 feet above sea (Ordnance datum).

		,						
Fs. Ft. In. Fs. Ft. I	In.	Brought forward	Fs.	Ft.	In.	Fs. 5	Ft. 3	In. 7
coals      0     3     4       Grey metal      0     2     0		Grey metal, with post girdles	1	3	0			
Ft. In.	- 1	White post	0	5	3			
COAL 0 5		Grey metal	0	1	6			
Blue metal, scared with		COAL	0	0	4	2	4	1
coal 0 2		Grey metal	1	0	0			
COAL 0 8		White and grey post	0	3	0			
0 1 3	.	Grey metal stone	0	3	6			
1 0	7	Grey and blue metal		0	6			•
Blue metal, scared		Soft black metal	0	0	4			
with coal 0 0 4	_ i	Ft. In.						
Grey metal, with post		COAL 2 1						
girdles 1 0 9		Grey metal 0 5						
White and grey post, with water which		COAL 0 6	0	3	0			
rose to the top 1 1 0 Whin 0 2 0	- 1					2	3	4
Whin 0 2 0		Grey metal and metal						
Strong white and grey	- 1	stone, with post	_	_	_			
post, mixed with		girdles	2		9			
whin 0 1 6	- 1	COAL	0	3	3	_	_	_
Grey post, with metal		_				2	5	0
partings 1 1 6	1	In soft grey metal				0	0	6
COAL 0 1 11								
4 3	0							
	_							_
Carried forward 5 3	7	Total		•••	_	13	4	_6
	·				-			

### No. 2,008.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 54″, Long. 1° 46′ 14″.

Account of the Boring in the Quarry Pit, at Throckley. June 14th, 1756.

Approximate surface level 350 feet above sea (Ordnance datum).

Sunk to the scaffold Box Loose rubbish Grey metal	1	1 1	0				Brought forward 2 3 0 15 0 0  Grey post, with metal partings 1 3 0
Carried forward	2	3	0 1	5	0	0	Carried forward 4 0 0 15 0 0

#### No. 2,008.—THROCKLEY.—CONTINUED.

							1
Brought forward	Fs.	Ft.		Fs. 15	Ft.	In. O	Brought forward 4 0 1 23 5
Grey metal stone, with	-	٠	·	10	٠	٠	Grey and blue metal
	Λ	4	0				and metal stone,
metal partings	0	- 40	e				
Strong grey post	Ü	0	6				with post girdles 2 0 0
Whin	0	Ü	9				Grey and white post,
Strong white post	0	0	9				with cashy partings
Whin	0	0	7				and water, and rose
Grey thready post,							to the waist 2 0 0
with water	1	4	0				Strong white and grey
Blue metal	1	1	4				post, with whin
COAL, with Ft. In.							girdles and scamy
water 0 8							partings 1 1 0
Slate or scare							Grey and white post,
							with scamy partings 1 4 0
COAL 0 6	^						Blue metal, with post
	U	T	3	_	_	_	girdles and water 0 1 2
				8	3	2	A girdle or lump, with
Soft grey metal, with							water 0 0 7
water	0	<b>2</b>	2 3				Black slaty stone 0 0 10
COAL	0	0	3				Ft. In.
				0	2	5	COAL 2 7
Grey metal, scared							COAL, hard
	Λ	0	7				11 1
	U	U	•				
Grey metal stone, with	_		_				
post girdles	3	4	6				0 3 4
Blue metal, with scares							11 5 (
of $coal$	0	1	0				In grey metal 0 0
			_				
Carried forward	4	0	1	23	5	7	Total 35 5

### No. 2,009.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Boring, near Throckley, about 50 yards to the North-east from the Douccate Close Well and 50 yards North of the Waggonway. February 25th, 1761.

Soil Fs. Ft. In. Fs. O 1 0 1 0 Brown stony clay 1 1 0	Brought forward 2 1 6 Blue grey metal 1 0 0
Sand and channel, with water and	Soft blue rambly metal 0 3 0 Grey metal 1 2 6
layers of clay 0 2 0 Stony clay 0 3 6	Grey scamy metal stone 0 5 0
Carried forward 2 1 6	Carried forward 6 0 0

### No. 2,009.—THROCKLEY.—CONTINUED.

	Fa	TF4	In. Fs. Ft. In.	1	Tr'o	Ft.	Tn	T <sub>a</sub>	TF4	
Brought forward	6	0	0	Brought forward				rs.	E u.	111.
Brown rambly post,	·	Ŭ		Blue grey metal						
with soft scamy				Grey and white post,	_	•	•			
partings	1	0	0	with water in some						
Blue and brown scamy	-	•		places	7	5	3			
metal stone	1	3	0	Grey metal	ò	2	ő			
Grey and brown scamy	-	•	· ·	COAL						
post	0	2	0					26	1	11
White and grey post	ŏ	3	Ŏ	Grey metal stone, with					_	
Brown thready post,	·	•		post girdles						
with water and set				COAL	$\cdot \bar{0}$	ō	2			
away the water	4	0	0					1	0	2
Strong white and				Grey metal stone, with				_	-	_
			0							
brown post Grey metal stone Black grey metal	õ	ĭ	Ö	post girdles	ō	ĭ	7			
Black grey metal	ŏ	ī	6		_			1	4	10
Grey metal	1	3	0	In grey metal				ō	ō	3
Black grey metal, with	_	Ū						- 3		
some scares of coal	- 0	1	6							
201110 201100 02 0000	_		_							
Carried forward	16	3	0	Total				29	1	2
							=		_	==

### No. 2,010.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 29″, Long. 1° 45′ 25″.

# Boring at Throckley Colliery, near the Waggonway and about 115 yards North from Fanny Pit. July 24th, 1770.

Sunk to the scaffold,	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.			Ft.	In. 3
about				1	2	6	Grey metal	0	2			_	•
Blue grey metal	3	0	0				Grey metal stone						
Brown and grey gul-							COAL, with scares						
lety post and set							of brass near the						
away the water		2	0				bottom	0	1	10			
Whin mixture	0	2	6								3	3	10
White and grey post,							Grey metal, with						
with strong girdles							scares of coal	0	0	5			
and scamy partings							Strong grey metal						
and water in several		_					stone	0	2	0			
places							Blue grey metal, with	_					
Grey metal Strong white post	1	0	9				much water	0	4	0			
Strong white post	0						Seft open parting,	_	_	_			
COAL	0	0	6	~=		_	with water	0	O	8			
			_	27	4	9	Strong white post,	_	_	_			
							mixed with whin	0	2	0			
Court 1 Cour					-	_	0 . 10 1	-	_		-		
Carried for	wa	ra		29	1	3	Carried forward	1	3	1	32	Ð	T

#### No. 2,010.—THROCKLEY.—CONTINUED.

Brought forward			In. Fs 1 32		In.	Brought forward Fs. Ft. In. Fs. Ft. In. 44 1 2
Whin	0	1	4			Grey metal stone 0 2 3
White post	0	2	0			Strong white post,
Grey metal stone, with						mixed with whin
strong girdles	4	1	6			and water in several
Black stone	0	1	<b>2</b>			_ places 6 1 3
Strong grey metal						Post girdles, with
stone			0			metal partings and
Whin		1	0			water 0 2 0
Grey metal partings	0	0	3			COAL, but Ft. In.
Whin	0	1	2			rather slaty 0 9
Grey metal stone	0	1	3			Black slaty dant 0 2
COAL	0	0	4			COAL 3 3
			<b>— 10</b>	1	1	0 4 2
Grey metal stone	1	0	6			7 3 8
COAL, foul	0	0	6			In grey metal 0 0 2
· ·			- 1	1	0	
Carried forv	vard	l	44	1	2	Total <u>51 5 0</u>
Tri	h	<b>03</b> 0	moda v	200	********	by George Wrightson.
, 11	Te n	OLG	-rous r	HCG	surec	r ha dentse attismisom

### No. 2,011.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 51", Long. 1° 45' 38".

Bored in the Hill Pit, at Throckley, from the Engine Seam. 1773.

Approximate surface level 310 feet above sea (Ordnance datum).

Sunk to the Engine	Fs. F	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 4 3 52 1 1
Seam			42	1	4	Three Quarter Seam—
Grey and blue metal				_	-	Ft. In.
and metal stone		0				COAL 1 6
Strong white post,						Blue metal 0 6 COAL 0 4
with a mixture of	0 7	_				COAL 0 4 0 2 4
0041	2 1	$\frac{3}{2}$				3 0 7
COAL	0 2	Z	7	4	5	Grey metal stone and
Grey metal stone, with			•	4	U	girdles 1 5 0
post girdles	2 0	10				COAL — Main Coal
CÒAL						Seam 0 3 1
			2	1	4	Grey metal 0 1 6
Black metal	0 0	6				Grey metal 0 1 6 Strong white post,
Grey metal and metal	1 0	0				with water 5 0 7
white post, with water						Grey metal stone 1 2 6
Grey metal						COAL, with water 0 1 6
010j mouz	•	Ů				7 0 1
Carried forward	2 4		52	1	1	Carried forward 64 3 10

### No. 2,011.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward				64	3	10	Brought forward 10 3 6 64 3 10
Grey metal, with water	0	1	6				COAL, with some
Blue grey metal stone,							small danty scames
with girdles and							and pieces of splint
water in places	4	5	6				near the bottom and
Strong white post.							water 0 3 1
with water	5	2	6				11 0 7
							In grey metal 0 2 0
			_				
Carried forward	10	3	6	64	3	10	Total

## No. 2,012.—THROCKLEY.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59′ 11″, Long. 1° 46′ 16″.

Account of No. 1 Borehole, at Boundary between Throckley and Heddon Royalties, on Haugh Ground. Began October 10th, 1837; ended January 26th, 1838.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Soil 0 4 0	Brought forward 21 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey metal 0 0 6
Blue clay 0 2 8 Sand and water 0 1 6	Grey metal stone, with
	metal partings 2 3 6
	Grey metal and beds
Sand, with water and 10 4 10	of post)
some small coals \ 1 2 0	Grey metal, mixed
Stony clay 3 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
8 4 0	
Grey metal, with some	Strong white post, with water 3 1 9
snappy girdles 2 4 3	
Black metal, with	Soft parting, with much water 0 0 9
scares of coal 0 2 0	
Grey metal 0 4 9	Hodge Seam— Ft. In. COAL 2 0
COAL 001	Grey metal 2 9
3 5 1	
Grey metal stone, with	0 4 9
ironstone girdles 2 0 11	<del></del>
Dark metal, scared	Commented at one with
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey metal stone, with
	Post Britain
Strong white post, with water 4 0 4	White post, mixed with whin 2 4 7
	111011
Grey metal stone, with post girdles 0 3 4	Dark grey metal, with
	post girdles 0 3 3
COAL—Engine Seam 0 3 8 ———— 8 4 3	
3 4 3	
Carried forward 21 1 4	Carried forward 5 4 11 28 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 2,012.—THROCKLEY.—Continued.

Brought forward	5		In. 11		Ft. 5	In. 6	Brought forward 4 2 3 44 2 3
Three-Quarter Seam— Ft. In. COAL 2 1 Grey metal 2 6							Strong post, with water 4 0 4   Whin 7. 0 1 6   White post, with
	0	4	7	6	3	6	water 1 4 4 Grey metal 1 3 2
White post, with whin girdles Grey metal stone, with	0	2	4				COAL (supposed   Splint Seam) 0 1 3
post Grey metal COAL — Main Coal	0	5 1	10 4				Grey metal stone, mixed with post
Seam	0	_		3	0	8	girdles 0 5 5 White post, with beds
Seggar clay Strong white post, with metal stone	0	U	10				of ironstone 1 3 4 Strong white post, with blue grey metal
partings and water Grey metal stone COAL	3 2 0	2 0 1	9 0 0				partings 1 1 0 Strong white post 4 0 0 Grey metal 0 2 9
Grey metal	0	2	7	5	4	7	COAL 0 0 9
White post, with metal stone partings Whin	1	4	2 6				Grey metal stone 0 3 0
White post Grey metal stone, with	0	1	6				
white post girdles Carried forward	$\frac{1}{4}$	$-\frac{4}{2}$	_	44	2	3	Total 65 1 4

This borehole was put down, by Mr. Clayton's authority, on the ground belonging to Mr. Bates, this situation having been chosen (on the Haugh) lest the upper seam on the Throckley side should have been worked.

#### No. 2,013.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Account of Strata bored through for the Throckley Coal Company, near the Northeast Corner of the Plantation in front of Mr. Stephenson's House. Begun February 26th, 1838.

Small coal and ballast Yellow clay Gravel Loamy sand	$egin{matrix} 0 \ 0 \ 1 \ \end{matrix}$	$\begin{matrix} 1 \\ 3 \\ 2 \end{matrix}$	6 0	Brought forward Leafy clay Loamy sand Grey metal	$0 \\ 1$	3 4	0 6	e. Ft	. In.
Carried forward	2	3	6	Carried forward	7	0	6		

## No. 2,013.—THROCKLEY.—CONTINUED.

Dl.t fammend				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward Brown rotten post	$\frac{7}{0}$	0 5	6 6				Brought forward 38 5 8 Grey metal 0 1 9
Grey · metal, with	Ů		•				Grey metal stone, with
brown post girdles	1	5	0				post girdles 0 4 2
Grey metal stone, with	,	Λ	0				White post, with water 0 1 6
metal partings	0	0 2	0				Whin 0 2 1 Grey metal stone,
OOAL, 10u1	U	٠-	-	11	1	0	with post girdles 1 4 4
a				11	1	0	Ft. In.
Grey metal stone, with post and strong							COAL, foul 0 2
metal girdles	4	1	6				COAL 2 6
White post	0	2	6				COAL, splint 0 3
Grey metal stone	1	5	0				0 2 11 $-$ 3 4 9
Orey metal stone	1	$0 \\ 1$	-0 -8				Grey metal 0 2 4
Grey post	0	4	0				Grey metal stone, with
Grey metal and metal							post girdles 2 0 10
stone	1	2	4				White post, with water \ 0 3 6
COAL	0	0	5	10	_	_	Grey metal stone 0 5 0 White post, with metal
			_	10	5	5	partings and water 1 2 2
Grey metal stone	0	0	5				Grey metal stone and
Brown post, with metal partings	0	3	6				post girdles 0 4 1
Grey metal stone and	Ü	0	',				COAL 1 6
post girdles	1	3	2				Metal band 0 2
Whin	0	0	6				COAL, foul,
White post Whin	0	1	0				mixed with
White post	ő	i	o				metal 0 7 0 2 3
Grey post, mixed with							$\phantom{00000000000000000000000000000000000$
metal stone	1	1	0				Grey metal, with seg-
White post, with metal partings and whin							gar clay 0 2 6
girdles	3	5	5				Grey metal stone, with
COAL-Engine Seam			11				beds of post and
				8	3	11	seggar clay 6 2 10 Strong dark metal
Soft and grey metal	0	1	9				stone, with post
Grey metal stone, with							girdles 0 5 0
post girdles	0	3	2				COAL In.
brassy and	0	2	0				Grey metal,
brassy	U	-	U	1	^	11	mixed with
C		_		1	U	11	coal 0 4
Grey metal stone	$\frac{1}{0}$	$0 \\ 1$	3 6				COAL, having
COAL	_		U	1	1	9	an appear- ance of splint
Grov motal		7		1	1	J	at bottom, but
Grey metal Grey metal stone	0 3	1 5	6 2				not decided 3 1
Whin	0	1	1				0 4 5
Grey metal stone,							8 2 9
with post girdles	1	0	3				Into grey thill 0 0 3
COAL Ft. In.							
Grey metal band 0 23							
COAL 0 $4\frac{1}{2}$		_					
	0	2	8	5	1	0	
			_	9	4	8	ten i i i i i i i i i i i i i i i i i i i
Carried for	war	d		38	5	8	Total <u>57 3 7</u>

### No. 2,014.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 12″, Long. 1° 45′ 32″

Sinking Account of the Isabella Pit, Throckley Colliery. Commenced April 25th, 1867.

Approximate surface level 40 feet above sea (Ordnance datum).

Clay	Sand and gr	avel		Fs. 2	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 7 3 8 18 3
Post				0	1	0				
COAL	Post			2	3	0				Ft. In.
Metal, with post	Clay			0	1	0				
Metal, with post	COAL			0	0	3				
Post	Motol with	noat		_	5	_	4	5	3	
COAL - Ruler   Seam   1	Post	-							•	
Segar clay, mixed with post 0 3 0	Metal			0	4					
Post and metal	$COAI - R_2$	uler S	Seam	<u> </u>	0	1			- 34	
Post and metal	20.			10	1	6			*	
Metal				_		_	2	0	3	
Post		tal	• • •							-
Blue metal		• • •	•••	_	_	-				1 1 (
Grey post			• • •							Grey post 0 1 6
Blue metal       0   1   4   4   4   4   4   5   5   5   5   5			• • • •	_		-				
Post					_					Grey metal 0 3 2
Seggar clay       0   0   7					_					
Blue metal, with girdles					_					COAL—Tilly Seam 0 2 6
Segar clay				U	U	•				1 4 10
Grey post, with metal       1       2       10         White post        0       5       2         Whin        0       1       7         Black stone        0       1       7         COAL        0       0       4         COAL        0       0       4         COAL        0       0       0       1         Seggar clay        0       0       1       0         Grey metal        0       0       0       1       0       6       6       6       6       7       9       1       1       9       9       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       9       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1		WIUII	gii-	1	2	0				
White post 0 5 2 Whin 0 1 6 Grey post 0 1 7 Black stone 0 0 4		ith n	netal							
Whin         0       1       6         Grey post        0       1       7         Black stone        0       0       4				_						W1-1 0 a 0
Grey post 0 1 7 Rlack stone 0 1 7 Rlack stone 0 0 4				ō	_	_				
Segar clay   0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0										
COAL				0	1	7				G
Color   Colo	COAL			0	0	4				
Cool							10	2	11	
Seggar clay	(Drift betwe	en pi	ts her	re.)						Guar matal
Black stone        0       1       9         COAL        0       0       5         Grey metal        0       0       9         Post girdle        0       1       2         Marl        0       0       6         Blue stone        0       0       6         Whin        0       0       4         Grey metal        1       2       6         Post        1       3       1         Whin        0       2       0         Post        0       0       5         Whin        0       4         Grey metal        1       2         Bost        0       2         Whin        0       3         COAL        2         Seggar band       0         COAL        0         White post        0       1         Ft. In.        0       3         COAL					5	0				Strong grant O F O
Grey metal        0 0 5         Post girdle        0 0 9         Post girdle        0 0 6         Blue metal        0 0 6         Blue metal        0 4 0         Grey metal        1 2 6         Post        1 3 1         Whin        0 2 0         Post        0 0 5         Whin        0 0 5         Whin        0 1 6         Post        2 0 10         Blue metal        0 0 6         Post        2 0 10         Blue metal        0 0 6         Post        2 0 10         Blue metal        0 0 6         Post        0 4 5     Seggar clay				0	1	9				
Grey metal 0 0 9 Post girdle 0 1 2 Marl 0 0 4 0 Grey metal 0 4 0 Grey metal 1 2 6 Post 1 3 1 Whin 0 0 4 Grey post 1 1 2  Stone Coal Seam—  COAL 2 6 Seggar band 0 3 COAL 0 4 White post 0 4  Seggar band 0 3 COAL 0 4  Whin 0 1 0 Grey post girdles 0 3 4 White post 1 5 1 9	COAL			0	0	5				
Grey metal        0       0       9         Post girdle        0       1       2         Marl        0       0       6         Blue metal        0       4       0         Grey metal        1       2       6         Post        1       3       1         Whin        0       2       0         Post        0       0       5         Whin        0       1       6         Post        2       0       10         Blue metal        0       0       6         Post        0       0       0         White post        0       0       0         White post        0       0       0         Grey post							1	1	2	
Grey nietal        0 0 9         Post girdle        0 1 2         Marl        0 0 6         Blue metal        0 4 0         Grey metal        1 2 6         Post        1 3 1         Whin        0 2 0         Post        0 0 5         Whin        0 1 6         Post        2 0 10         Blue metal        0 0 6         Post        0 0 6         Post        0 3 1         Grey post girdles        0 3 1         Grey post girdles        0 3 0         White post        0 1 0         Grey post girdles        0 3 4         White post        1 5 2	C4-1			0	_	^	_	-	_	D1
Marl         0 0 6       Grey post        1 1 2         Blue metal        0 4 0       Stone Coal Seam—										3371 */
Blue metal 0 4 0 Grey metal 1 2 6 Post 1 3 1 Whin 0 2 0 Post 0 0 5 Whin 0 1 6 Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Seggar band 0 3 COAL 0 4  Seggar band 0 3 COAL 0 4  Seggar lay 0 1 0 Grey post girdles 0 3 4 White post 1 5 2										Grey post 1 1 2
Grey metal        1       2       6         Post         1       3       1         Whin         0       2       0         Post         0       0       5         Whin         0       1       6         Post         0       1       0       3       1         Post         0       0       3       1       0       1       0       0       1       0       0       1       0       0       3       4       4       White post        0       3       4       4       White post        1       5       2       1       9				-		-				Stone Cont Som
Post 1 3 1 Whin 0 2 0 Post 0 0 5 Whin 0 1 6 Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Post 0 4 5  COAL 2 6 Seggar band 0 3 COAL 0 4  ——————————————————————————————————										
Whin 0 2 0 Post 0 0 5 Whin 0 1 6 Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Seggar band 0 3 COAL 0 4  White post 0 3 1 White post 0 1 0 Grey post girdles 0 3 4 White post 1 5 2										
Post 0 0 5 Whin 0 1 6 Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Seggar clay 0 1 0 Grey post girdles 0 3 4 White post 1 5 2					_	_				
Whin 0 1 6 Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Seggar clay 0 1 0 Grey post girdles 0 3 4 White post 1 5 2	Post									
Post 2 0 10 Blue metal 0 0 6 Post 0 4 5  Seggar clay 0 1 0 Grey post girdles 0 3 4 White post 1 5 2	Whin			-	_	_				
Blue metal 0 0 6 Post 0 4 5 Seggar clay 0 1 0 Grey post girdles 0 3 4 White post 1 5 2	Post				-					
Post 0 4 5 Grey post girdles 0 3 4 White post 1 5 2	Blue metal									
White post 1 5 2	Post	•••		0	4	5				
										White post 1 5 2
Carried forward 7 3 8 18 3 7 Carried forward 2 3 6 36 3 7										
	Carried	forwa	ard	7	3	8	18	3	7	Carried forward 2 3 6 36 3 7

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 2,014.—THROCKLEY.—CONTINUED.

Brought forward 2 3	n. Fs. 6 36	Ft.	In. 7	Brought forward	Fs.	Ft.	In.	Fs. 46	Ft.	In. 5
Main Coal Seam-				Grey metal	<b>2</b>	<b>2</b>	6			
Ft. In.				Seggar clay	0	2 5	0			
COAL, good 3 6				Black metal	0	5	2			
COAL, coarse 0 4				COAL	0	0	4			
0 3 1		_			-			3	4	0
	- 3	1	4	Post	0	2	0			
				Blue metal	1	1	1			
	39	4	11	Hard post	0	2	0			
NOTE The depth				Blue metal	0	2	0			
at the opposite side of				Post	0	1	4			
pit is 40 fs. 3 ft. 0 in.,				Black shale, very soft	Ō	0	8			
caused by a hitch run-				Strong post	2	0	6			
ning across seggar				Grey metal	0	$\dot{2}$	Ŏ			
clay and post.				Brockwell Seam-						
Recommenced at	40	3	0	Ft. In.						
		o	v	COAL, top 0 9						
	7			Band stone 0 4						
	5			COAL, good 2 11						
Table post iii iii = =	3			Splint 0 6						
(Water about 730 gals.					0	<b>4</b>	6			
per minute.)	-							5	4	1
Blue metal 0 5 1										
COAL 0 3	3		_							
	- 6	1	5							
Carried forward	46	4	5	Total				56	0	6
			_				=		_	_

### No. 2,015.—THROPTON.

TOWNSHIP OF THROPTON, NORTHUMBERLAND.

Sheet 44 of Ordnance Map. Lat.

, Long.

Account of Boring at Thropton West Field, belonging to Thos. Fenwick, Esq. December 6th, 1848.

Approximate surface level feet above sea (Ordnance datum).

Dark grey metal Brown post, with	0 1 0 1 1	2 1 4 2 4 0 3	6 0 6 0 0 0	Fs.	Ft. In.	Brought forward 13 5 0  Metal and metal stone 4 1 0  Strong limestone 0 3 0  Metal stone 0 5 0  Limestone 0 4 0  Grey post 0 2 0  Limestone 1 0 7  Metal stone 4 4 5  In strong white post 2 3 6	6
Strong blue limestone, with water  Carried forward	$\frac{3}{13}$	<b>4 5</b>	0			Total	<u>6</u>

N.B.—I am of opinion that coal will be found about 10 fathoms further.—G. Stott.

### No. 2,016.—TOGSTON.

### TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.  $55^{\circ}$  18′ 30″, Long.  $1^{\circ}$  36′ 16″.

Strata at Togston Colliery, Acklington, from the Surface to the Yard Seam.

Approximate surface level 94 feet above sea (Ordnance datum).

Clay, with boulder stones 1 0 0 0	Ft. In. Brought forward 1		-
Strong white post   7   3   0		, 0	U
COAL, coarse 0 2 6 Blue metal, with ironstone girdles 1 0 0 0 COAL, good 0 2 0 Grey metal, with ironstone girdles 12 0 0 Mussel scarp 0 1 1 0 Blue and black metal 0 1 6 Blue and black metal 0 1 6 COAL, good 1 8 Metal band 0 6 COAL, good 3 6 COAL, good 3 6 COAL, good 3 6 COAL, good 3 6 COAL, good 4 3  Thill 1 2 0 Strong blue metal 1 5 3 COAL, coarse 0 1 0 White whin 1 2 0 Strong blue stone 2 0 0 Freestone band 0 0 2 COAL, foul 0 4			
Blue metal, with iron- stone girdles 1 0 0  COAL, good 0 2 0  Grey metal, with iron- stone girdles 12 0 0  Mussel scarp 0 1 0  Blue and black metal   Top or Princess Seam—  Ft. In.  COAL, good 1 8  Metal band 0 6  COAL, good 3 6  COAL, splint,  Middle, Main or Duke  Seam—Ft. In.  COAL, coarse 1 0  COAL, good 4 3  — 0 5 3  Thill 0 2 9  Blue metal 1 5 3  COAL, coarse 0 1 0  White whin 0 4 0  Strong blue stone 2 0 0  Freestone band 0 0 2  Yard or Bottom Seam— Ft. In.  COAL, foul 0 4			
Blue metal, with ironstone girdles 1 0 0 0 COAL, good 0 2 0 1 2 0 0  Grey metal, with ironstone girdles 12 0 0 0 Mussel scarp 0 1 0 0 0 1 0	761111		
stone girdles 1 0 0 0 COAL, good 0 2 0 Grey metal, with ironstone girdles 12 0 0 Mussel scarp 0 1 0 Blue and black metal $\begin{cases} 0 & 1 & 6 \\ 0 & 0 & 6 \end{cases}$ *  **  **  **  **  **  **  **  **  *	Seam— Ft. In.		
COAL, good 0 2 0	COAL, coarse 1 0		
Grey metal, with ironstone girdles 12 0 0 0  Mussel scarp 0 1 0 0  Blue and black metal \{ \begin{subarray}{cccccccccccccccccccccccccccccccccccc	COAL, good 4 3		
Thill	~ ~		
Mussel scarp 0 1 0  Blue and black metal { 0 1 6		.0 1	3
Blue and black metal { 0 1 6	1		
Blue and black metal { 0 0 6			
Blue metal 1 2 0   White whin 0 4 0   Strong blue stone 2 0 0   Freestone band 0 0 2   Yard or Bottom Seam—   COAL, good 3 6   Ft. In.   COAL, foul 0 4   COAL, foul 0			
White whin 0 4 0		2 3	0
COAL, good 1 8  Metal band 0 6  COAL, good 3 6  COAL, splint,  Strong blue stone 2 0 0  Freestone band 0 0 2  Yard or Bottom Seam— Ft. In.  COAL, foul 0 4			
COAL, good 3 6  COAL, splint,  COAL, foul 0 4	White whin 0 4 0		
COAL, good 3 6  COAL, splint,  COAL, foul 0 4	Strong blue stone 2 0 0		
COAL, good 5 6  COAL, splint,  COAL, foul 0 4			
COAL, splint, COAL, foul 0 4			
1 - 1 10			
good 1 10   COAL.good 2 6			
— 1 1 6 — 0 2 10			
13 4 6 <u></u> 4 3	4 6	4 3	0
Carried forward 17 0 0 Total 34 1		34 1	3

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 2,017.-—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

, Long.

#### Sinking Account at Togston Colliery.

Clay		Ft. In 4 (	n. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 1 0
***	_			
Blue metal		4 9		Four-Quarter or Prin-
Whinstone		1 3		cess Seam- Ft. In.
Blue metal	1	2 6	3	COAL, splint 1 0
Blue metal, mixed				Blue metal 0 6
with shells	0	0 6	3	COAL 4 0
				0 5 6
				11 0 6
Carried forward	10	1 (	)	Carried forward 11 0 6

#### No. 2,017.—TOGSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In, Fs. Ft. In
Brought forward				11	0	6	Brought forward 4 5 0 19 5 0
White thill	3	0	0				Blue metal 0 4 0
White whinstone							Sandstone 0 1 8
Blue metal, mixed with							Blue metal 1 5 0
coal	3	2	6				Black dant 0 0 6
COAL - Five-Quar-							Three-Quarter or Yard
ter or Duke Seam	0	5	0				Seam— Ft. In.
				8	4	6	COAL, splint 2 4
Bored further :-							Band or splint 0 3
Blue metal	2	5	10				COAL, inferior 0 8
COAL							0 3 3
Sandstone		4					8 1 5
			-	_			
Carried forward	4	5	0	19	5	0	Total 28 0 5

### No. 2,018.—TOGSTON.

#### TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

#### Boring Account at Togston Barns.

Approximate surface level feet above sea (Ordnance datum).

			Fs. Ft. I							Fs.	Ft.	In.
	. 3				ught for		6	1	5			
Sand, with water	. 0	<b>2</b>		Clay, wi	ith thin	beds						
Clay	. 2	3 0		of san			1	0	0			
Whin tumbler	. 0	1 0		Clay, wi	th stone	•••	0	5	7			
Clay	. 0	0 5		Soft blue	e stone		0	3	0			
Whin tumbler	. 0	0 10		Hard blu	ae stone		0	4	0			
							_			9	<b>2</b>	0
										-		
Carried forward	6	1 5			Total					9	2	0

### No. 2,019.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.  $55^{\circ}$  18′ 20″, Long.  $1^{\circ}$  33′ 51″.

Account of Strata bored in the East Field on Togston Low Hall Farm. 1868.

Clay {	Fs. 3		In. Fs. Ft	. In.	Brought forward 11 1 3
Post, with grey slate partings	·	3	Ü	*	COAL, with 2 inches of band 3 feet from top of seam 0 5 2
Carried forward	11	1	3		Carried forward 12 0 5

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 2,019.—TOGSTON.—CONTINUED.

Blue shale 1 0 8  Post, with grey shale partings 1 4 5  Blue shale 0 1 10  Blue shale 0 1 10  Blue shale 0 5 9  Post girdle 0 0 9  Blue shale 0 2 4  COAL 0 1 10  Blue shale 0 2 4  COAL 0 1 10  Blue shale 0 2 2 4  COAL 0 1 10  Blue shale 0 2 2 4  COAL 0 1 10  Blue shale 0 2 2 5  Blue shale 0 2 2 8  Grey shale, mixed with post girdles 2 1 5  White post girdles 2 1 5  Whin 0 0 10  Grey shale, mixed with post girdles 2 1 5  Whin 0 0 10  Grey shale, with post girdles 2 1 5  Whin 0 0 10  Grey shale, with post Blue shale 0 0 6  Blue shale 0 0 6  Blue shale 0 0 1 0  Grey shale, mixed with post girdles 2 1 5  Whin 0 0 0 10  Grey shale, with post Blue shale 1 1 0  White post 0 0 6  Blue shale 0 0 6  Blue shale 0 1 10  Grey shale, mixed with post girdles 1 1 0  White post 0 0 0 6  Blue shale 1 1 0	Brought forward	Fs. Ft. In. I	Fs Ft. In. 12 0 5	Brought forward Fs. Ft. In. Fs. Ft. In. 8 Brought forward 26 0 8
Post, with grey shale partings         1         4         5         Blue shale         0         1         0         Blue shale         0         0         0         0         9         Post girdle         0	O			D1
Post girdle				
Blue shale 0 1 10 Black stone 0 1 0 Grey shale 0 3 2 Post, with grey shale partings 2 1 6 White post 4 2 0 Whin 0 2 9 Post, with shale partings 2 0 7 Blue shale 0 2 8 Grey shale, mixed with post girdles 0 0 1 0 Grey shale, mixed with post girdles 2 1 5 Whin 0 0 10 Grey shale, mixed with post girdles 1 1 0 Grey shale, mixed with post girdles 1 1 0 White post 0 0 10 Grey shale, mixed with post girdles 1 1 0 White post 0 0 10 Blue shale 0 0 10 Grey shale, mixed with post girdles 0 0 0 10 Grey shale, mixed with post girdles 0 0 0 10 Grey shale 0 0 0 10				Blue shale 7. 0 5 9
Black stone 0 1 0 Grey shale 0 3 2  Post, with grey shale partings 2 1 6 White post 0 2 9  Post, with shale partings 2 0 7  Blue shale 0 2 1 5 Whin 0 0 10  Grey shale, mixed with post girdles 2 1 5 Whin 0 0 10  Grey shale, mixed with post girdles 2 1 5 Whin 0 0 10  Grey shale, mixed with post girdles 2 1 5 Whin 0 0 10  Grey shale, mixed with post girdles 1 1 0  White post 0 0 6  Blue shale 0 0 1 10  Figure shale 0 0 2 8  Blue shale 0 0 0 10  Grey shale, mixed with post girdles 1 1 0  White post 0 0 0 6  Blue shale 1 1 0		0 7 70		Post girdle 0 0 9
Grey shale 0 3 2       Post, with grey shale partings 2 1 6       Blue shale 0 2 8       Blue shale 0 2 8       Grey shale, mixed with post girdles 2 1 5       Whin 0 0 10       Grey shale, mixed with post girdles 2 1 5       Whin 0 0 10       Grey shale, with post girdles 2 1 5       Whin 0 0 10       Grey shale, with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Grey shale, mixed with post girdles 1 1 0       Gr		0 7 0		
Post, with grey shale partings 2 1 6 White post 4 2 0 White post 0 2 9 Post, with shale partings 2 0 7 Blue shale 0 2 5 COAL 0 3 11  —————————————————————————————————				
Description				2 5 3
White post        4       2       0         Whin        0       2       9         Post, with shale partings        2       0       7         Blue shale        0       2       5         COAL        0       3       11         White post        1       1       0         White post        1       1       0         White post        1       1       0         Blue shale        1       1       0          5       1				Blue shale 0 2 8
Whin 0 2 9 Post, with shale partings 2 0 7 Blue shale 0 3 11 COAL 0 3 11  14 0 3  Post girdles 2 1 5 Whin 0 0 10 Grey shale, with post girdles 1 1 0 White post 1 1 0 Blue shale 1 1 0		4 9 0		Grey shale, mixed with
Post, with shale partings 2 0 7 Blue shale 0 2 5 COAL 0 3 11  14 0 3  Whin 0 0 10 Grey shale, with post girdles 1 1 0 White post 0 0 6 Blue shale 1 1 0				post girdles 2 1 5
Blue shale 0 2 5 girdles 1 1 0 White post 0 0 6 Blue shale 1 1 0	Post, with shale part-			
Blue shale 0 2 5 girdles 1 1 0 White post 0 0 6 Blue shale 1 1 0	ings	2 0 7		Grey shale, with post
14 0 3 Blue shale 1 1 0 5 1		$0 \ 2 \ 5$		girdles 1 1 0
5 1	COAL	0 3 11		
5 1		1	4 0 3	Blue shale 1 1 0
		-		5 1 5
m . 1				0 1 0
Commind forward 96 () 8 Total 94 1	Camied for	word 9	26 0 8	Total 34 1 4
Carried forward 26 0 8 Total <u>34 1</u>	Carried for	waru 2	0 0 0	10141 34 1 4

### No. 2,020.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Bored Three Holes on Tow Law Estate, near Thornley Pit House, belonging to the late George Pearson, by George Rawling. 1797. First Hole near Tow Law Hill, about 100 yards North from the Burn.

	Fs. Ft. In. Fs. Ft. In.			In. Fs.	,
Soil and stony clay	1 2 8	Brought forward	3 3	10 3	4 4
Grey metal	1 3 4	Grey girdly post	1 2	6	
COAL	0 0 10	Soft blue metal	0 2	0	
Soft loose metal	0 3 0	COAL, soft	0 2	0	
COAL	0 0 6			5	4 4
	3 4 4	White and grey metal,			
Blue metal	1 0 0	with girdles	0 2	6	
Grey post	0 0 7	Post girdle	0 1	0	
Blue metal	0 2 0	Blue metal	1 3	0	
Grey post	0 2 8	COAL	0 3	0	
Blue metal	0 2 0			2	3 6
Grey post	0 5 4	Blue metal and girdles	1 4	0	
Blue metal	0 1 6	Strong white post,			
Grey post	0 1 3	mixed with whin	0 0	10	
Blue metal	0 0 6			1	4 10
Carried forward	3 3 10 3 4 4	Total		13	5 0
				-	

### No. 2,021.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

No. 2 Hole, 200 yards North of Tow Law Hill, in an Intake.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil and stony clay	2	5	0				Brought forward 7 0 7 7 1 2
Grey shivery post and							Strong grey metal
water	1	2 2	6				and girdles 0 3 6
Grey metal	0	2	6				Soft grey slaty metal,
Grey post	0	1	0				mixed with coal 0 1 0
Blue metal	0	0	6				Blue metal and girdles 0 4 0
COAL	0	1	5				Strong grey post 0 1 6
	_		_	5	0	11	Strong grey metal and
Grey metal stone and							post girdles 2 0 4
post girdles	1	0	0				Whin mixture 0 0 10
Blue metal	ō	3	0				Grey and blue metal,
COAL	_	3	0				with girdles 2 4 6
COAL, foul	Õ	0	3				Soft blue metal, with
			_	2	0	3	coal pipes near
Grey thill	0	3	0	_		_	bottom 0 1 6
Grey metal and post	,	·	·				COAL 0 2 6
girdles	4	1	0				Soft blue metal 0 0 5
Grey post		ī					COAL 0 3 9
Blue and grey metal	-	-	·				15 0 5
	1	Ω	10				In grey metal stone 0 1 0
	ñ	ő	9				In grey metal stone
COAL	U		J				
Carried forward	7	0	7	7	1	2	Total 22 2 7

### No. 2,022.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

No. 3 Hole, near Tow Law, on the Common, about 300 yards North of No. 2.

Grey metal stone, with	0 3 0 1 1 0 0 0 8 3 3 0 0 4 6	Brought forward 5 5 6 3 4 8 COAL 0 1 0 6 Grey metal 1 1 0 Strong white post, mixed with whin 1 1 0 Strong white post 0 1 6 Strong white post 3 3 0
girdles	1 4 0	COAL 0 0 5 6 0 11
Carried forward	5 5 6 3 4 8	Carried forward 16 0 1
		N N

#### No. 2,022.—TOW LAW.—CONTINUED.

70 14 6 7	Fs. Ft.			In.	Fs. Ft. In. Fs. Ft. In
Brought forward		16	6 0	Т	Brought forward 19 2 5
Grey metal stone, with					Blue grey metal 1 0 8
girdles	2 2	0			Grey post, mixed with
COAL	0 1	0			with whin 2 0 0
Grev metal	0 5	0			In grey metal and
COAL	0 0	4			post girdles 2 3 0
,		{	3 2	4	5 3 8
		_			
Carried for	ward	19	9 2	5	Total 25 0 1

#### No. 2,023.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 45′ 8″, Long. 1° 49′ 12″.

Strata sunk in a Staple in Tow Law Royalty, near the North End of Black Prince Cottages. September, 1848.

Approximate surface level 1,002 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	D 114	Fs. Ft.	In. Fs. Ft. In.
Yellow clay 0 2 6	Brought forward	5 2	15
Blue gravelly clay 2 0 0	Grey metal	0 0	$6\frac{1}{2}$
Grey metal, with iron-	COAL	0 1 1	1 '
			- 5 4 7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey posty seggar	0 2	4
Grey metal, with iron-	Grey metal	0 1	9 '
stone 0 2 $2\frac{1}{2}$	White post	0 1	11
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey metal, with iron-		-
Grey metal, with iron-	stone	0 2	$6\frac{1}{2}$
stone 0 2 0	stone COAL—5/4 Seam	0 3	3 .
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			<b>- 1</b> ·
Carried forward 5 2 1½	Total	•••	*7 3 7
* Approximate sea lev	el 956½ feet below this.		
iipproximate sea io	02 0002 2000 001011 011101		

#### No. 2,024.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Account of the Boring in Tow Law Royalty, about a mile and a half down the Fell from the old Tow Law Pit. May 17th, 1852.

Stony clay Brown post Metal	<b>4</b> 0	$\frac{3}{4}$	0	Fs. Ft. In.	Broug COAL Metal COAL	ght for	ward 	5 0 0	$\begin{matrix} 1 \\ 0 \\ 1 \end{matrix}$	6 6 10	s. Ft. In.
Carried forward	5	1	6		Carr	ried forv	ward	5	4	9	

### No. 2,024.—TOW LAW.—CONTINUED.

	77.	TZA	T., 13.	T74	т.	
Brought forward	5 5	4	In. Fs.	rt.	Jn.	Brought forward 5 5 6 17 2 9
Metal and coal	Õ	ō	4			Grey metal and metal
COAL	ō	ō	5			stone, with ironstone
Grey metal	ő	ŏ	3			girdles about 1 inch
COAL	ő	0	2			thick, lay from 1
Grey metal	ő	0	3			foot to 2 feet apart 3 2 0
	0	2	0			COAL 0 1 3
Soft brown post	ñ	õ	4			C
Grey metal	0	0	6			
	9	4	6			1 1
Gullety post	0	4	0			
Brown metal	0					
Grey metal	0	5	0			COAL 0 0 8
Grey post	1	0	0			Grey metal stone 0 2 0
Grey metal	$^2$	3	0			Strong white post 2 0 0
White post, set away	_					COAL 0 0 10
the water at 4 feet	2		2			Grey metal 0 3 6
Grey metal	0	1	6			COAL 0 0 6
COAL, good	0	3				Grey metal 0 1 9
			<b>—</b> 17	<b>2</b>	9	COAL 0 1 0
Grey metal	0	0	6			Grey metal stone 0 4 0
White post	1	0	0			Into strong grey post,
Dark grey metal	1	5	0			mixed with whin 0 4 5
Grey post	3	0	0			
• •						
Carried forward	5	5	6 17	2	9	Total 36 1 2

### No. 2,025.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Strata passed through in Three Boreholes put down near Thornley Pit House. 1864. No. 1 Borehole.

Soil         0       0       6         Clay and gravel        0       3       5         Stone and gravel        0       4       1         Grey post        0       3       7         Parting        0       2       4         COAL       Top       Five-         QuarterSeam        0       2       1	Brought forward Fs. Ft. In. Fs. Ft. In. 2 4 0  Grey metal 0 5 9  Freestone post 1 0 4  Hard post 1 0 6  Forced ground 0 5 6
Carried forward 2 4 0	Total <u>6 4 1</u>

#### No. 2,026.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

#### No. 2 Borehole.

Approximate surface level feet above sea (Ordnance datum).

Yellow clay	1 1 3 0 0 10 Grey post Grey metal, stone gird	and iron-	$\begin{array}{cc} 1 & 1 \\ 0 & 3 \end{array}$	
Seggar clay, with coal pipes	1 1 $6\frac{1}{2}$ Grey post		3 3	$\frac{1\frac{1}{2}}{6}$ 6 5 6
Carried forward	$1  1  6\frac{1}{2}  1  2  8$	Total		8 2 2

### No. 2,027.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

#### No. 3 Borehole.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil Brought forward 6 2 1 0 0 5 3 1 Clay 1 Black lump — Top ... Five-Quarter Seam Dark metal ... 0 3 11 0  $\mathbf{2}$ 1 COAL 0 1 10 4 0 2 3 3 Seggar clay ... Black stone ... 1 2 8 3 4 Freestone post Freestone post Metal 0 0 6 0 4 1 2 Grey metal ... 1 3 8 COAL 0 Freestone post 3 3 3 0 Carried forward Total ... 6  $\dot{2}$ 1 2 3 3 11 5

### No. 2,028.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 46′ 4″, Long. 1° 47′ 56″.

Section of Strata sunk through in a Stuple on Hill Top Farm, near Tow Law. March 24th 1868.

Approximate surface level 920 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Blue metal			0	4	0				Brought forward 0 2 6 7 1 6
Post			6	1	0				Blue metal 1 0 0
Three-Qua	rter S	Seam-							Post 1 0 0
		Ft. In.							Grey beds 5 0 0
COAL		1 4							Post 0 4 0
Band		0 2							Grey beds 5 3 0
COAL		1 0							Post 2 4 0
			0	2	6				COAL—Little Seam 0 2 1
						7	1	6	16 3 7
Band			0	0	5				Band 0 0 6
COAL			0	1	0				Metal and clay 0 5 6
Fire clay			0	0	9				COAL-5/4 Seam 0 3 10
COAL			Õ	Ō	4				1 3 10
		***		-					
~ .							•_		
Carried	for	ward	0	<b>2</b>	6	7	1	6	Total *25 2 11

Note.—This staple is used for ventilating.

\* Approximate sea level 867 feet below this.

### No. 2,029.—TRANWELL.

TOWNSHIP OF TRANWELL AND HIGH CHURCH, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8′ 26″, Long 1° 42′ 47″.

Details of Boring at Tranuell, 3 yards South of South End of Reservoir.

Approximate surface level 300 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.							Fs.	Ft.	In.
Sand			1	0	0				Broug	ht for v	vard	6	5	0	6	1	0
Grey post			4	1	0				Grey post			4	1	0			
Dark metal			0	5	6				COAL			0	$^{2}$	0			
COAL			0	0	6										11	$^{2}$	0
						6	1	0	Grey metal			0	$^{2}$	0			
Grey metal	stone		2-	2	0				Grey post			8	4	0			
Grey post			3	0	0				Dark metal			3	0	0			
Grey metal			1	3	0				COAL			0	1	0			
															12	1	0
						_				~ .							_
Carrie	d forw	ard	6	5	0	6	1	0	1	Carrie	d for	war	d		29	4	O

### No. 2,029.—TRANWELL.—Continued.

Brought forwar		Fs. F	t. In	. Fs.	Ft.		Brought forward 6 2 6	n. Fs. Ft. I
		0	5 (			U	Grey post 0 3	
		ŏ .					Grey metal 1 3	
OOAL			• `	- 1	0	6	Grey post 1 0 (	
Grey metal		3	1 (	3	•		Grey metal 4 3 (	)
Grey post								- 13 5
Grey metal		1	4 (	)				
v	_			- —				
Carried forward		6	2 (	30	4	6	Total	44 4

### No. 2,030.—TRIMDON.

#### TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Section of Strata sunk through in Trimdon Staple. September 26th, 1842.

Outset			. Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Brought forward 16 1 6 71		In. 9
Soil		0	1	0				Black metal, mixed		
Clav		-	2	0				with coal 0 1 0		
Marl		-	0	0				Main Coal Seam—		
Limestone			3	6				Ft. In.		
	,,,	_			<b>54</b>	0	6	COAL, tender 1 5		
Dark grey n	netal	. 0	1	6				Band 0 6 COAL, good 3 0		
Light yellov								7		
Yellow clay				_				COAL, coarse 0 7		
Dark yellow	sand							0 5 6		^
		_		10				17	2	0
Grey metal								Thill stone 0 2 0		
Whin (error				U				Grey metal 5 4 0		
ing)			-					Thill stone, scared		
Grey metal s				il.				with coal 0 1 2		
in copying								Strong grey metal		
Red and gre	g)		1	0				stone 2 3 0		
Whin	y post							COAL 0 1 0		
				6				8	5	2
Red and gre Whin				6				Grey metal stone, with		
								girdles 1 0 8		
Red and gre			9	O				Dark metal, mixed		
bauds-3/				4				with coal 0 0 4		
			_					Grey metal, mixed		
COAL—õ/	seam	. 0	3	7	13	4	3	with post girdles 5 0 9		
					19	4	9	White grey post 7 2 9 Grey metal 0 4 4		
Thill stone		. 0								
Blue metal :	stone	. 1	. 3	0				COAL - Low Main		
Grey metal	stone	. 1	2	0				Seam 0 3 7		ш
Grey post		. 0	1	0				15	0	5
Grey metal	stone	. 9	0	6				Grey metal stone 5 3 9		
Grey post		. 3	4	0				COAL 0 0 4		١.
								5	4	1
Comind	forward	16	1	6	71	0	9	Carried forward 118	0	5

# No. 2,030.—TRIMDON.—CONTINUED.

Brought forward	Fs.	Ft.	In. 1	Fs, :		1n. 5	Brought forward Fs. Ft. In. Fs. Ft. In. 138 4 10
					•	•	Grey metal 0 1 6
Strong grey metal stone, inclining to							Grey post 0 0 5
post, with hard							Whin 0 3 2
post, with hard	1	4	4				Grey post 0 0 4
girdles	0	3	6				Grey metal stone, with
Strong white post	0	3	2				post girdles 0 3 4
Dark grey metal stone	0		3				*****
Strong grey post	$\frac{2}{1}$	3	3 4				
Dark metal stone	T	3	4				Grey metal stone, with girdles 4 2 10
Grey metal stone, with	_		_				
girdles	8	3	5				White post 1 1 2 Grey metal stone 4 2 0
Hutton Seam- Ft. In.							died interest in a
COAL, coarse 1 10							Strong grey metal
COAL, coarse							stone, inclining to
and splinty 0 6							post 2 0 5
	0	<b>2</b>	4				Dark grey metal, with
			:	15	4	4	scares of coal 0 2 0
Black stone	0	0	10				Strong grey metal,
Dark metal	0	0	6				with girdles 0 4 10
Grey metal	0	0	6				Grey post, with part-
Grey post	0	2	0				ings 0 5 5
Grey metal stone, with							Grey metal, with gir-
post girdles	1	4	9				dles 0 3 2
Grey post	ō	4.	6				White post 0 2 2
Grey metal stone, with	·	-	O				Grey metal, with gir-
post girdles	1	3	0				dles 1 0 3
		0					COAL—Harvey Seam 0 3 7
	0	0	4	-			18 2 7
COAL	U	U	-18	4	5	2	Sump 4 3 2
D1 1 / 1				4	Э	Z	Sump 4 5 2
Black metal, scared		^	0				
with coal		0					
COAL	0	U	2	_	_		
				0	0	11	
			-				Total 161 4 7
Carried for	rwar	d	1	38	4	10	10001 101 4 /

Note.—Close to North side of shaft is a dip dyke of 14 feet. Five-Quarter Seam is nipped out on South part of pit.

# No. 2,031.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Bored in the Five-Quarter Drift, Trimdon Colliery, about 130 yards South from the Shaft. May 29th, 1843.

Red and grey post Grey metal stone, with post girdles	5	0	9	Ft. I	In.	Brought forward 8 3 9 White post 0 2 3 Grey metal stone, with post girdles 1 3 6	, In,
Carried forward	8	3	9			Carried forward 10 3 6	

# No. 2,031.—TRIMDON.—CONTINUED.

Brought forward				Fs.	Ft. I	n.	Brough	ht <b>f</b> c	rwa	ard				Fs.	Ft.	In.
White post Grey metal stone White post		3	3				COAL, for		0							
Grey metal stone	$\frac{1}{0}$	$\frac{1}{1}$	6 7				Grey metal COAL Splint		0 3	$^{11}_0$						
Diack metal	Ů	Ü	æ				•	•••	_		1	0	0	18	1	4
Carried forward	17	1	4				Dark metal	 Tot	:al	•••				$\frac{0}{18}$	0	10

# No. 2,032.—TRIMDON.

#### TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.  $54^{\circ}\ 42'\ 56'',$  Long.  $1^{\circ}\ 25'\ 41''.$ 

Section of Strata sunk through at Trimdon Colliery. June 8th, 1843.

Strong clay				Fs.	Ft.	In.	Brought forward 0 3 7 65 2 9
Limestone (staple sunk							Five-Quarter Seam-
to 40 fathoms)	43	0	6				
Dark metal		1	6				COAL, good 4 1
Yellow partings	0	0	3				Black metal 0 4
1 0				54	2	3	
Brown sandy post,							COAL, foul 0 9
with soft partings							0 5 2
and water	2	2	6				1 2 9
Whin		_	10				Grey metal stone, with
	1						post girdles 13 2 9
Grey post	ô	ī	ŏ				White post 0 3 6
Red and grey post,	Ü	_	·				Metal, mixed with coal 0 0 6
with metal partings	4.	0	0				White post 1 3 8
Whin	_		8				Grey metal 0 1 0
Grey and red post			6				Metal, mixed with coal 0 0 4
3371	ő	1	6				<del></del>
	U	1	U				Main Coal Seam—
Strong grey and red	Λ	3	c				Ft. In.
post	U	Э	O	11	0	6	COAL, good 1 2
Disals				ΤI	U	Ю	Grey metal $0.5\frac{1}{2}$
Black metal, mixed							COAL, good 3 0
with coal and grey			_				COAL, coarse 0 3
post	U	z	5				$ 0 4 10\frac{1}{2}$
COAL—Three-Quar-		_					
ter Seam		_	11				
Grey metal	0	0	3				
Carried forward	0	3	7	65	2	9	Total *83 4 1½

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,033.—TRIMDON.

#### TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

Account of Strata bored through below the Main Coal Seam at Trimdon Colliery, by G. Stott. April 7th, 1845.

							•		•				
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe from thill			_				Brought forward	3	1		44	3	6
of Main Coal	8	4	3				Grey metal stone, with	_	_				
Grey metal stone, with			_				post girdles	1	3	0			
girdles	1	.0	8				Black metal	_	0	9			
Dark metal, mixed	_	_					COAL	0	0	4			
with coal	0	0	4				Black metal, scared	0	^	^			
Grey metal, with post	~	0	^				with coal	0	0	9			
girdles	5	$\frac{0}{2}$	9				COAL	U	U	Z			
White and grey post	7	1	4						_		5	0	1
Very soft grey metal COAL—Low Main	U	1	4				Grey metal	0	1	6			
~	0	3	0				Grey post	0	0	5			
Seam	U	3	U				Whin	0	3	2			
			-	23	1	1	Grey post	0	0	4			
Grey metal stone	5	3	9				Grey metal stone, with						
COAL	0	0	4				post girdles	0	3	4			
				5	4	1	Whin	0	2	0			
			_		4	1	Grey metal stone, with						
Strong grey metal							girdles	4	<b>2</b>				
stone, inclining to							White post	1	1	2			
post, with hard	_						Grey metal stone	4	2	0			
girdles	1	4	4				Strong grey metal						
Strong white post	0	3	6				stone, inclining to	_		_			
Dark grey metal stone	0	5	2				post	2	0	5			
Strong white and grey		^					Dark grey metal stone,	^		_			
post Dark metal stone	.2	0	3				with scares of coal	0	2	0			
	1	3	4				Strong grey metal,	^		10			
Grey metal stone, with girdles	8	3	5				with girdles	0	4	10			
	0	9	9				Grey post, with part-	0	ĸ	5			
Hutton Seam-							ings	0	5	J			
COAL 1 10							Grey metal, with girdles	0	3	2			
COAL, coarse							VV71:4	0	2	2			
**							Grey metal, with gir-	U	-	4			
splinty 0 6							dles	1	0	3			
	0	2	4				Black stone	ō		10			
			_	15	4	4	Harvey Seam—	•	v				
Black stone	0	Λ	10				COAL, strong and						
T) 1 1	ő	Ö	6				coarse for first 16						
C	ő	o	6				inches	0	3	6			
Grove most	ő	2	ő								18	3	4
Grey metal stone, with	U	4	U				In grey metal stone				0	1	8
post girdles	1	4	9										
Grey post	õ	4	6										
5 F	Ü	-	9										
( ) 3							Total depth below	Ma	in				
Carried forward	3	1	1	44	3	6	Coal Seam		•••	_	68	2	7
										_			

# No. 2,034.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 42′ 54″, Long. 1° 25′ 43″.

Account of Strata sunk through at Trimdon Grange Colliery. Begun May 21st, 1845.

Approximate surface level 500 feet above sea (Ordnance datum).

Strong yellow clay Soft marly limestone Strong brown lime- stone, with water Strong blue limestone, with water	9 4	Ft. 0 4	In. 6 6	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 14 0 6 60 1 111
Soft marly limestone Strong brown lime- stone, with water Strong blue limestone,	4						Diought forward II o o oo I III
stone, with water Strong blue limestone,	28						Main Coal Seam—
Strong blue limestone,	28	~	_				Ft. In.
	_	2	7				COAL, top 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	3	0	8				COAL, bot-
			_	45	2	3	tom 2 7½
Grey whin girdle	0	0	4				COAL, coarse 0 93
Light grey metal	0	4	0				0 5 6
Strong grey post, with red metal partings	6	1	2				15 0 0
Strong grey post,							Grey metal stone 1 2 6 Very dark grey metal 1 1 2
mixed with whin	6	3	9				Strong white stone
Three-Quarter Seam-							and partings 0 4 4
danty 0 10							Strong grey metal, $\frac{4}{0}$ $\frac{4}{0}$ $\frac{0\frac{1}{2}}{1}$ *
Band 0 9							Dark grey metal, with
COAL 0 11							post girdles 2 2 9
Band $0   1\frac{1}{2}$ <b>COAL</b> $0   3$		• • •					COAL 0 1 0
Band 0 3		e.,					10 4 101
COAL 1 0 Band 0 2							Grey metal 1 1 8 COAL 0 0 4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							- 1 2 0
	0	4	$6\frac{1}{3}$	-			
ψ · · · ·		1	_		1	91	Dark grey metal 0 2 9 COAL 0 0 10
Five-Quarter Seam-						2	0 3 7
Ft. In.			٠				Dark metal, with
COAL 3 8							scares 0 2 7
Splint 0 3	0	3	11				Grey metal stone 2 4 6 Black metal stone 0 3 2
				0	3	11	Strong white post 0 3 4
Black slaty stone	0	 1	6	•	0		Dark grey metal 4 3 0
Strong grey metal	3	5	6				Low Main Seam—
Black slaty stone, with	,	_	_				COAL, good S 1
scares of coal Strong grey metal	$\frac{1}{2}$	0 5	5 0				Pricking $0$ $6\frac{1}{2}$
Strong grey post, with	_	Ū	Ů				0 3 71
whin girdles	1	0	0				9 2 21
Grey and white post, with metal partings	4	5	3				
Black slaty stone,							
mixed with coal	0	0	10				
			_				
Carried forward	14	0	6	60	1 1	$11\frac{1}{2}$	Total $97 2 7\frac{1}{2}$
5	* A						

## No. 2,035.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.  $54^{\circ}$  42' 53'', Long.  $1^{\circ}$  25' 44''.

An Account of Strata sunk through in the New Pit, Trimdon Grange Colliery. 1872.

Approximate surface level 500 feet above sea (Ordnance datum).

Gine sears   1   2   8   8   8   8   8   8   8   8   8	Loose stones and en-	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft	In.	Fs. 82	Ft. 1	
Mild limestone	gine scars	1	2	8					0	4	0			
Mild limestone	Hard stony clay	6	1	6				Grey metal stone,	0	<b>2</b>	2			
Soft fine marl	Red gravelly earth	3	1	6					5	2	4			*
Soft fine mart     3	8			_	10	5	8	0001						
Blue stone	Soft fine marl	3	4								_	6	3	3
Coal   Soft blue stone   Coal   Soft blue st	Mild limestone	2	3	5				D1 . 4				U		U
With water   12   1   2   1   2   1   3   3   4   4   5   5   5   5   5   5   5   5	Limestone, harder	4	3	3					U	4	4			
With water   Note   N	Hard brown limestone,								_					
Soft dark gritty sand   0	with water	12	1	2										
Soft dark gritty sand 0 4 2 2 0 8	Hard brown limestone,													
Strong metal girdle   0 0 9   0 9   0 0	with more water	7	1	6					4	1	2			
Strong metal girdle     0   0   9	Soft dark gritty sand	0	4	2				COAL (including						
Hard blue limestone, full of spar		0	0	9						_	_			
Soft white post, with partings       4       2       0         Post, with red metal partings       3       4       0         Post, with red metal partings       2       5       3       4       0         Post, with red metal partings       5       2       2       6       0       2       4       2       2       4       3       4       2       9       2       4       3       4       2       9       2       4       3       4       2       9       2       4       3       6       3       4       2       9       2       5       6       6       6       6       6       7       4       3       6       6       6       6       6       6       7       4       3       6       6       6       6       7       6       7       6       7       7       1       3       4       2       9       8       2       1       1       6       6       6       6       6       6       6       7       8       2       1       1       6       7       1       4       2       9       9       8       2       1								Seam	0	3	7			
Soft white post, with partings		4	2	0								8	2	1
Post, with red metal partings 2 5 3   Post, with red metal partings 2 5 3   Post girdle 0 2 4   Grey metal 0 0 4   Strong grey metal 0 0 4   Strong grey metal 2 5 6   Grey post, with metal girdles 2 1 1   COAL, batton 0 0 4   Strong grey metal 0 0 4   Strong grey metal 2 5 6   Grey post, with metal girdles 2 1 1   COAL, batton 0 0 0 4   COAL, good 0 1 3   Strong grey metal stone 0 1 6   Grey metal stone 0 1 3   Strong grey metal 0 1 7   Strong grey metal 2 5 6   Grey post, with metal girdles 2 1 1   COAL, batton 0 0 4 2   Hard grey metal, with iron girdles 0 1 7   Strong grey metal 0 1 7   Strong grey metal 2 5 6   Grey post, with metal girdles 2 1 1   COAL, batton 0 0 4 2   Hard grey metal, with iron girdles 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles 3 3 3 2   Blue metal, with iron girdles .								Grev post, with part-						
Post, with red metal partings         253         Post girdle         024         24         Grey metal         024         36         Grey post, with metal girdles         043         36         Grey post, with metal girdles         256         6         Grey post, with metal girdles         256         6         36         Grey post, with metal girdles         256         6         9         Mitte post         256         6         9         6         4         25         6         9         8         156         6         6         36         25         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         7         7 <t< td=""><td></td><td>3</td><td>4</td><td>0</td><td></td><td></td><td></td><td></td><td>3</td><td>4</td><td>2</td><td></td><td></td><td></td></t<>		3	4	0					3	4	2			
Partings 2 5 3									-					
Hard white post, with partings 5 2 2  COAL, with black stone—Three-Quarter Seam—Ft. In.  COAL 3 9 Splint 0 6 — 0 4 3 Soft blue stone 0 2 0 Grey metal stone, with scares of coal 8 2 8 Grey metal, with post girdles 2 4 6 White post, with blue metal girdles 2 3 4 Black stone 0 0 0 4 COAL 0 0 1 3 Strong grey metal 2 5 6 Grey post, with metal girdles 2 1 1 COAL, brassy 0 0 9  White post 0 0 4 2 Hard grey metal, with iron girdles 4 2 9 Dark blue metal stone 0 3 4 COAL, good—Maud-lin Seam 0 1 6 Grey metal, with iron girdles 3 3 2 Blue metal, with iron girdles 3 3 2 Blue metal, with iron girdles 3 3 2 Blue metal, with iron girdles 2 0 3 Hutton Seam— COAL, bottom—Main Coal Seam 0 3 8 COAL 0 0 7  COAL 0 0 7  Grey metal stone 2 4 0 Grey metal, with iron girdles 3 3 2 Blue metal, with iron girdles 0 0 6 Blue metal, with iron balls 2 0 3 Hutton Seam— COAL, good 0 1 10 Brass and splint 0 1 1 Black stone 0 0 6 Dark grey metal, with girdles 3 1 9 Grey post 1 0 10 Fine white post 0 1 8		2	5	3										
Strong grey metal   2   5   6   6		_	_					COAL, splinty						
COAL, with black stone—Three-Quarter Seam         1 0 6         Strong grey metal 2 5 6           Five-Quarter Seam—Ft. In.         COAL 3 9         Splint 0 6         White post, with metal girdles 2 1 1         COAL, brassy 0 0 9         The coal Seam 0 4 2         White post 0 4 2         White post 0 4 2         Hard grey metal, with iron girdles 0 1 7         COAL, good—Maud-lin Seam 0 1 7         The seager stone 0 1 6         Grey metal, with iron girdles 3 3 2         Fine seggar stone 0 1 6         Grey metal, with iron girdles 3 3 2         Blue metal, with iron girdles 3 3 2<		5	2	2				, spanny	_			4	3	6
Stone - Three-Quarter Seam -		•	_	_				434		_		_		
ter Seam         1 0 6         48 2 2         COAL, brassy         2 1 1         COAL, brassy         0 0 0 0         White post         0 4 2         White post         0 4 2 9         Dark blue metal stone         0 3 4         COAL, good         0 1 7         5 5 10           Grey metal, with post girdles         0 1 6         Fine seggar stone         0 1 6         Grey metal, with iron girdles         3 3 2         Fine seggar stone         0 1 6         Grey metal, with iron girdles         3 3 2         Blue metal, with iron girdles         3 3 2										Ð	6			
Five-Quarter Seam		1	0	. 6						_				
Five-Quarter Seam— Ft. In.  COAL 3 9 Splint 0 6	ver Seam				48	2	2							
White post 0 4 2   Soft blue stone   0 2 0	Time Owner ton Same				10	_	-	COAL, brassy	0	0			_	
COAL       3         Splint       0       6	Five-Quarter Seam—											5	1	4
Soft blue stone   0   4   3   0   4   3								White post	0	4	2			
Soft blue stone 0 2 0 0 4 3   Dark blue metal stone 0 3 4   COAL, good—Maud-lin Seam 0 1 7   5 5 10    Grey metal stone, with scares of coat 8 2 8   Fine seggar stone 0 1 6   Grey metal, with iron girdles 3 3 2    Black stone 0 0 0 4   Blue metal, with iron girdles 3 3 2    Blue metal, with iron girdles 2 0 3   Blue metal, with iron balls 2 0 3    Blue metal, with iron girdles 2 0 3   Blue metal, with iron balls 2 0 3    Bl		0	4	3				iron girdles	4	2	9			
Soft blue stone          0         2         0           Grey metal stone, with scares of coal          8         2         8           Grey metal, with post girdles          2         4         6           White post, with blue metal girdles          2         3         4           Black stone          0         0         4           COAL          0         0         4           COAL, bottom—Main Coal Seam          0         3         8           Soft blue stone          2         4         0           Grey metal stone          0         0         6           Local Seam          0         0         0         1           Black stone          0         0         1         0         0         1         0           Black stone          0         0         6         1         0         0         6         1         10           Black stone          0         0         6         1         10         0         6         0         1					0	4	3	Dark blue metal stone	0	3	4			
Soft blue stone	Soft blue stone	0	2	0										
Scares of coal     8   2   8								lin Seam		1	7			
Grey metal, with post girdles         2         4         6           White post, with blue metal girdles         2         3         4           Black stone         0         0         4           COAL         0         0         1         3         3         2           Stone band         0         0         9         8         15         0         6         1         10		8	2	8								5	5	10
girdles 2 4 6 White post, with blue metal girdles 2 3 4 Black stone 0 0 0 4 COAL 0 1 3 Stone band 0 0 9 COAL, bottom—Main Coal Seam 0 3 8 Grey metal, with iron balls 2 0 3 Hutton Seam— COAL, good 0 1 10 Brass and splint 0 1 1 Brass and splint 0 1 1 Brass and splint 0 0 1 1 Brass and splint 0 0 0 6 Dark grey metal, with girdles 3 1 9 Grey post 1 0 10 Fine white post 0 1 8		•	_					Eina gamen atana	0	1	c			
White post, with blue metal girdles       2 3 4       a girdles       3 3 2         Black stone       0 0 4       a Blue metal, with iron balls       0 3 8         COAL, bottom—Main       0 3 8       a Black stone       0 1 10         Coal Seam       0 3 8       a Black stone       0 1 10         Grey metal stone       2 4 0       a Black stone       0 0 6         Grey metal stone       4 2 8       a Black stone       0 0 6         COAL       a black stone       0 0 6       a black stone       0 0 6         Black stone       0 0 6       a black stone       0 0 6       a black stone       a black s		2	4	6					U	Т	O			
Mark Signed		_	_	•					9	9	0			
Black stone        0       0       4         COAL        0       1       3         Stone band        0       0       9         COAL, bottom—Main        0       3       8         Soft blue stone        2       4       0         Grey metal stone        4       2       8         COAL        0       0       6       1       10         Black stone        0       0       6       0       0       6       0		2	3	4					0	9	_			
COAL         0       0       9         COAL, bottom—Main        0       3       8         Coal Seam        0       3       8         Soft blue stone        2       4       0         Grey metal stone        4       2       8         COAL         0       0       6         Dark       grey metal, with girdles        3       1       9         Grey post         1       0       10         Fine white post        0       1       8		_								0				
Stone band        0       0       9         COAL, bottom—Main       COAL, good       0       1       10         Brass and splint       0       1       1         Black stone       0       0       6       1         Black stone       0       0       6       0       0         Dark grey metal, with girdles       3       1       9         Grey post       1       0       10         Fine white post       0       1       8									Z	U	3			
COAL, bottom—Main       0 3 8       Brass and splint       0 1 1       0 1 1       6 1 10         Soft blue stone       2 4 0       Black stone       0 0 6       0 0 0 6       0 0 0 6       0 0 0 6       0 0 0 6       0 0 0 6       0 0 0 0 6       0 0 0 0 0 6       0 0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0 0       0 0 0 0       0 0 0 0       0 0 0 0 0       0 0 0	Stone hand	ň							0	1	10			
Coal Seam 0 3 8 Soft blue stone 2 4 0 Grey metal stone 4 2 8 COAL 0 0 7 The stone of the ston	COAL bottom-Mai	'n	·	·										
Soft blue stone 2 4 0 0			-3	Q				Brass and splint	U	1	1	0	-	1.0
Soft blue stone 2 4 0 Grey metal stone 4 2 8 Dark grey metal, with girdles 3 1 9 Grey post 1 0 10 Fine white post 0 1 8	Coat Beam					Λ	6					6	T	10
Dark grey metal,   Grey post 3 1 9   Grey post 1 0 10   Fine white post 0 1 8	Soft blue stone	9	4	0		J	U	Black stone	0	0	6			
With girdles 3 1 9  Grey post 1 0 10  Fine white post 0 1 8														
7 1 3 Grey post 1 0 10 Fine white post 0 1 8									3	1	9			
7 1 3 Fine white post 0 1 8	OOAL	U	U	-										
· · · · · · · · · · · · · · · · · · ·		_			7	1	3	Fine white post		1	8			
Carried forward 82 1 10 Carried forward 4 4 9 119 1 8	151 11							. *				_		
	Comical for	11110	h		20	1	10	Carried forward	1	1		11	g 1	1 8

\* Approximate sea level (Ordnance datum).

# No. 2,035.—TRIMDON GRANGE.—CONTINUED.

Brought forward Grey post, with metal partings COAL, splinty	4	4	7			Brought forward Fs. Ft. In. Fs. Ft. In. Seggar 0 5 0 Hard grey metal 4 1 6 White post 1 2 8 Black stone 0 1 2
Grey post, with a small seam of coal White post Dark metal, with iron girdles Grey post, with part-	1	0	4			Busty Seam— Ft. In.  COAL 0 10  Stone band 0 3  COAL 1 10
ings Strong white post, with partings	3	5	0			——— 7 1 3
Blue metal stone COAL—Harvey Seam				3	3	
Carried fo	orwa	rd	142	5	7	Total <u>150 0 10</u>

# No. 2,036.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Boring on Tudhoe Estate, near the Black Plantation, by W. Coulson.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Depth to bottom of	Brought forward 70 3 3
coal $51$ 4 3	Grey metal stone 4 1 0
COAL—Bottom Busty	White post, with water 2 3 10
Seam 0 1 11	Grey metal, with post
Dark metal, scared	girdles 0 5 5
with coal 0 2 0	Dark blue metal 0 1 4
Grey metal stone 2 5 3	COAL, good—Brock-
White post with water	well Seam 0 3 10
mixed with whin 14 5 8	8 3 5
Black stone 0 0 6	
COAL 0 1 8	
<del></del>	
Carried forward 70 3 3	Total 79 0 8

# No. 2,037.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

An Account of the Strata bored through in the Tudhoe Estate, by W. Coulson. Begun to bore, October 21st, 1837.

-									•				
Clay	3	5	In. 0	Fs.	Ft.	Iυ.	Brought forward	Fs. 2	Ft.	In.	Fs. 50	Ft.	In. 10
Grey metal White post, with water	2	2	0				Harvey Seam— COAL and						
and metal partings Grey metal, with post	6	1	0				burns to Ft. In. white ashes 2 0						
girdles	1	4	6				COAL, foul,						
COAL	0	1	5				and splint 0 10						
	-		_	14	1	11		0	2	10	2	3	10
Grey metal	1	0	2				Grey metal, with post				_	U	10
COAL	0	0	4		_	•	girdles and water	2		7			
~		_	_	1	0	6	COAL, foul	0	0	11	2	1	6
Grey metal White post	0 2	0	0		*		Grey metal, with thin				_	_	
Grey metal, with post	_	Ü	Ü				post girdles Whin	3	$\frac{2}{1}$	6 0			
girdles	1		2				White post, with me-	U	1	U			
Black metal COAL—Hutton Seam		1	0				tal partings	1	4	6			
JOHL—Hatton Seam	U	4	1	4	3	5	Dark metal, with seams of coal	0	ο.	_			
Cman 1	-	7	_	4	o	J	Dark grey metal	$0 \\ 1$		- 5 - 8			
Grey metal stone	5 0	1 3	6				COAL	ō	-	_			
Black metal, with			·				Dank amen metal			_	7	4	3
threads of coal	0	3	4				Dark grey metal COAL	0		9 10			
Grey metal and metal stone, soft near the										_	1	0	7
bottom, and water	7	3	0				Grey metal	0	3	6			
Strong white post,							Whitish grey post Brown whin, with	0	1	4			
with whin in some places and water	2	4	0				water	0	2	8			
Grey metal	ī	4	9				Grey metal, with thin	0	_	-			
Strong white post,	0	_					post girdles	3	0	1			
with water Grey metal stone, with	2	0	4				foul - Busty Seam	0	2	2			
thin post girdles										_	4	3	9
and water	3	3					Grey metal, with thin post girdles	0	5	0			
Black metal Strong white post,	0	1	9				Dark grey metal, with		0	Ü			
with whin girdles							scares of coal and	,		0			
and water		4	7				whin ball COAL, foul, and	1	2	9			
Grey metal	0	0	7 4				burns to white ash	0	1	8			
COAL			_	30	1	0		_	_	_	2	3	5
Grey metal stone, with			_	30	T	U	Strong grey post Grey metal, with thin	1	1	7			
thin post girdles							post girdles	0	4	6			
and water	2	1	0				Strong white post,	c	0	_			
							with whin girdles	6	0	0			
Carried forward	2	1	0	50	0	10	Carried forward	8	0	1	71	0	2

# No. 2,037.—TUDHOE.—Continued.

Brought forward Strong grey metal,		Brought forward 1 3 4 80 5 6 Grey metal, with hard
with post girdles		post girdles 4 1 6 COAL—Brockwell
small partings	0 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal Black metal, mixed	1 2 10	Grey metal 0 1 0 Strong grey metal, with hard post
with foul coal	0 0 6	girdles 2 3 0 2 4 0
Carried forward	1 3 4 80 5 6	Total 90 0 6

# No. 2,038.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Borehole made in the Tudhoe Estate, in a Wheat Field on the left hand side of the Lane leading to the Ford by the River Wear.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong clay	2	0	0				Brought forward 28 4 3
Soft brown post, with							Grey metal and metal
water	1	1	0				stone 1 1 3
COAL	0	0	8				COAL 0 0 3
Grey metal	5	2	10				Ironstone girdles 0 0 4
Sandy post	0	3	8				Grev metal stone 1 0 8
Brown post, with							White post 0 5 0
water	1	0	0				Grev metal stone 0 2 3
Soft brown post, set							COAL 0 0 5
away the water	1	4	2				Black metal 0 0 6
Brown metal	0	3	0				Grey metal stone 1 4 0
COAL	0	Ō	7				Black metal 0 1 6
				12	3	11	COAL 0 0 9
Soft grey post	5	0	0				Grey metal stone 0 5 0
Grey metal	ĩ	1	0				Grey post 0 1 6
Dark metal	ĩ	ō	5				Strong grey metal
Grey metal stone	3	5	8				stone 0 1 11
Grey and white post	3	ŏ	8				COAL 0 0 3
COAL	ő	ŏ	4				Grey metal stone 0 1 5
Soft brown metal	ŏ	ŏ	6				Grey post 1 0 9
Strong grey metal	•	•	U				004
stone	0	1	10				Grey metal stone, with
Strong white post	ŏ	2	0				post girdles 3 4 7
~	ŏ	2	9				Black metal 0 0 2
TO 1 1 1	ň	0	6				COM 0 1 10
Dark metal Ft. In.	U	U	U				
COAL 0 7							12 4 9
							Grey metal stone, with
Metal band 0 2 COAL 1 5							post girdles 4 4 3
Splint 0 6							COAL 0 0 5
~P	0	2	8				Grey metal stone 0 1 3
			_	16	0	4	Grey post 6 5 0
							erel bose in in o o o
Carried for	ward	1		28	4	3	Carried forward 11 4 11 41 3 0

## No. 2,038.—TUDHOE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.  Brought forward 11 4 11 41 3 0  Dark grey metal, with ironstone girdles 1 0 2  COAL 0 1 6	Brought forward Fs. Ft. In. Fs. Ft. In. 54 3 7 In grey metal stone 2 1 2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Total <u>56 4 9</u>

This hole was suspended on 7th December, not being required. The Whitworth Coalseam is supposed to lie about 6 fathoms deeper.—G. Stott, borer.

# ... No. 2,039.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43′ 13", Long. 1° 35′ 8".

An Account of Strata bored through upon the Tudhoe Estate. Commenced to bore, May 12th, 1864; bored through the seam October 14th, 1864;, size of borehole, 2 feet diameter.

Clay and soil 5 4 10 Freestone 1 0 0 White post stone 0 5 5 Strong grey and white		Brought forward 2 4 11 17 3 3 Strong blue metal 1 3 6½ COAL 0 1 6 4 3 11½
post 3 0 5 Black metal 0 0 6		Seggar clay $0$ 1 7 Strong grey post $0$ 2 $7\frac{1}{2}$
Ironstone 0 0 1		Grey post, mixed with
Grey metal 0 1 6		iron nodules 0 2 1
COAL 0 0 5		Light post $1 3 2\frac{1}{2}$ Dark blue metal $1 0 1\frac{1}{2}$
Seggar clay 0 3 5	11 1 2	Dark blue metal $\cdots$ 1 0 $1\frac{1}{2}$ Blue metal, mixed
Grey post stone 0 0 8		with iron 1 1 6
Dark plate 0 1 2		Black jet 0 0 10
Grey and white post 0 3 3		Blue metal 0 5 3
Grey metal 0 2 5		Soft grey post 0 0 9
COAL 0 0 9		Hard light coloured
G 1	1 5 8	stone $0 \ 1 \ 2\frac{1}{2}$
Seggar clay 1 1 9		Blue metal, mixed
Grey and white post 0 5 5 Dark metal 0 0 9		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Hard grey post 0 1 1		Seggar clay $0.1   2\frac{1}{2}$ Hard white post $0.5   2$
Blue metal 0 1 4		Light grey whin stone 0 0 7
Grey metal 0 4 4		Hard white post 0 2 1
Grey metal, mixed		Hard brown stone 0 0 9
with iron 0 4 0		Brown whin $0  ext{1}  ext{8}  extstyle{1}{2}$
COAL 0 1 9		Mixed white post 1 0 11
Seggen alon	4 2 5	Dark blue metal 0 1 11 Dark metal or fire clay 0 0 7
Seggar clay 0 1 8 Grey metal 0 2 2		Dark metal or fire clay $0 0 7$ Blue shale $0 3 9\frac{1}{3}$
Grey post 2 1 1		Seggar clay 0 1 3
J 1 11		
Carried forward 2 4 11	17 3 3	Carried forward 11 4 5 22 1 $2\frac{1}{2}$

## No. 2,039.—TUDHOE.—CONTINUED.

5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3
4 7	3
5 :	3
5 :	3
5 :	3
2	1
2	1;
2	1,
2	1
2	1
2	1
2	1
2	1
2	1
2	1
2	1
0	
•	
0	
0 3	(
	0

Commenced sinking, November 7th, 1864; sunk through the seam, July 7th, 1866. There are 50 fathoms of 12-inch pumps in the West Pit; the East Pit has been sunk without pumps.

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,040.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42′ 56", Long. 1° 35′ 0".

Section of the Strata sunk and bored through in the Tudhoe Colliery. 1866.

Approximate surface level 280 feet above sea (Ordnance datum).

		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong blue clay	5	1	0				Brought forward 1 4 6 34 0 10
Broken freestone	1	3	0				White post, mixed
Post, mixed with whin	3	5	0				with whin 1 0 0
Soft grey metal	0	1	10				Dark metal, with gas 4 3 0
COAL	0	0	10				Dark seggar 0 2 0
8	_			10	5	8	Grey post 2 3 0
Light seggar clay	0	2	4		-	_	Grey metal 1 1 6
0 13	ĭ		10				(1 1 9
0041	ō	ŏ					White post
COAL	U	U	TT	1	4	1	(3 0 10
D	_	0	-	r	4	T	COAL—Harvey Seam 0 2 2
Brown seggar	0	2	7				<u> </u>
Grey metal	0	1	4				Brown seggar 1 0 6
COAL	0	0	3				COAL 0 0 3
	_			0	4	<b>2</b>	1 0 9
Brown seggar	0	1	0				Brown seggar 0 2 0
Grey metal, with post							White post 2 1 6
girdles	3	2	0				COAL 0 0 3
Grey metal	0	2	0				2 3 9
COAL	0	2	0				
	_		_	4	1	0	Brown seggar 0 3 0
	0	0	6	-	-	-	White post 2 2 8
Dagana garaga	ő	3	ő				COAL 0 0 6
Grey metal, with post	U	o	U				3 0 2
	-	0	c				0 0 5
girdles	1	0	6				COM
Grey metal	2	4	0				0 0 5 0 0 10
COAL-Hutton Seam	0	2	3				
	-		_	4	4	3	Seggar 0 4 6
Dark seggar	0	4	4				White post 3 1 6
White post	. 0	3	0				COAL 0 0 3
Grey metal, with post							4 0 3
girdles	1	5	6				Seggar 0 2 0
Splint	ō	ő	3				_ @0
			_	3	1	1	COAL 0 0 2 0 2 2
Grey metal	2	0	3	J			
Rigair atomo	ō	1	0				Brown seggar 0 2 2
Grey metal and post	U	1	U				COAL 0 0 10
mindles		1	0				0 3 0
girdles	2	1	3				Dark seggar 0 3 3
Brown seggar	0	0	8				White post 1 2 6
White post, mixed							0 0 0
with whin	3	0	7				the first the second se
Grey metal	1	0	8				Busty Seam— Ft. In.
COAL	0	0	$^{2}$				COAL 2 9
			_	8	4	7	Band 0 4
	0	0	c				COAL 2 2
Grow motal with	0	0	6				0 5 3
Grey metal, with post	-		_				6 1 0
girdles	1	4	0				
			_				
Carried forward	1	4	6	34	0	10	Carried forward 68 0 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,040.—TUDHOE.—Continued.

	Fs.	Ft.	In. Fs.				Fs.	Ft.	In,	Fs.	Ft.	In
Brought forward	_		68	U	11	Brought forward	3			110	5	6
Dark seggar	0	2	0			Grey metal	0	1	6			
Strong white post			0			Black stone	1	0	6			
Grey metal	1	1 :				COAL	0	0	4		0	
COAL, with bands	0	2	0	-4		*****				4	2	4
			- 11	5	10	White post	0	2	8			
Black stone	0	1	10			Post, with metal part-	0	=	0			
Seggar	ŏ	Õ :				ings	0	5	0			
Grey metal and post	Ŭ	٠.				Grey metal	0	$\frac{3}{1}$	0			
girdles	6	2	1			White post	0		6			
COAL — Brockwell	•	_	~			Dark grey metal	1 1	5 4	0			
Seam	0	3	6			Black stone	0	2	0			
			- 7	2	3	Blue whin	0	5	0			
			_			White post Grev metal	3	2	o			
75 / 1 1			0.5		_	Grey metal COAL, coarse, mixed	o	4	U			
Total sunl	ζ.	• • •	87	3	0	113 3	0	0	4			
						with brass	_			10	0	(
Bored by the Dia-						Grey metal	0	1	8	10		
mond Rock Boring						Black stone	ŏ	$\frac{1}{2}$	0			
Company:—						White post	1	ī	ŏ			
Seggar	0	1 :	10			Grey limestone	ō	2	ŏ			
White post	ŏ	1	6			Grey-whin	ŏ	ī	ŏ			
Black shale	ŏ	î	6			Grey metal	Õ	ĩ	ŏ			
White post	ŏ	2	0			Blue metal	ō	ī	6			
Blue metal	ĭ	ī	Ö			Grey metal	ŏ	$\overline{4}$	0			
COAL	ō	ō	ĭ			White post	Ô	1	6			
			_ 2	1	11	Grey metal	1	5	0			
Blue metal	0	2	1	_		White post	8	5	6			
Post girdles	0	1	6			Grey metal	3	5	0		- 3	
Blue metal	0	1	3			Black shale, scared						
White post	0 .	3	6			with coal	0	1	6			
Blue metal	1	2	0							18	2	8
Grey post, with metal						White post	3	2	0			
partings	4	1	9			Grey metal	0	5	0			
Blue metal	0	1	0			White post	7	5	0			
Black shale	0	2	0			Grey metal	4	3	0			
Grey metal	0	5	2			Seggar	0	1	0			
Blue metal	0	$^2$	2			Grey metal	3	0	0			
White post, with	_					Shaly post	2	4	0			
metal partings	0	4	6			Post	4	5	0			
Black seggar	0	2	2			Blue metal	1	0	0			
Grey metal, mixed	_					White post	0	3	6			
with post	0	4	8			Limestone	$\frac{0}{2}$	3	6			
White post	0	2	6			Grey metal		1	-			
Post, with metal	0	9	10			Grey whin	$\frac{1}{3}$	1	0			
partings	0	-	10			Post, with partings	2	0 2	0			
White post	0	1	4			Grey metal	4	4	U			
Post girdles Black stone	0	3	8			Post stone, with part-	5	1	0			
	0		0			ings	2	0	ő			
Bastard seggar Grey metal	2	5 0	9			Grey metal		U	U			
3371.*/	1	4	0							45	1	(
Black stone	0	0	9									
White post	2	1	3									
COAL	0	0	6									
		-	<del></del> 21	0	7	Ì						
Seggar	0	1	8	C	•							
Blue stone	2	4	4									
											_	í
Carried forward	3	0	0 11	0	5 6	Total depth sunk a	nd	bore	ed ]	189	0	(
	_	_		'	- 0	1				_	_	_

## No. 2,041.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 1° 41′ 55″, Long. 1° 35′ 12″.

Section of Strata sunk through at Tudhoe Grange, belonging to the Weardale Iron Co. Commenced May 5th, 1869; finished September 2nd, 1870.

	To The Tra	. E4 T	1	П.	T74 T	T7-	THE T
Outset	Fs. Ft. In. Fo	3, Ft. In.	Brought forward	rs.	Ft. 1		Ft. In. 2 11 ½
Strong blue clay	1 5 0		Brown seggar	0	1	7	- 112
Gravel, with water	0 4 0		Dark seggar	ĭ		5	
Strong clay	1 5 0		Grey metal, mixed	_	U	U	
Sand	1 1 0		with post girdles	6	0	6	
Strong blue clay	3 2 0		White post	0	-	0	
	0 2 0		1 70	ő		5	
Sand and gravel, with water	1 0 0		701 1 /	0		8	
	1 0 0		0041	0	11	_	
Strong clay	1 0 0		COAL	U	1 1	. 9	4 6
Loam and sand, with	1 4 0			_			4 0
	3 3 0		Dark seggar	0	2 1		
Gravel bed	3 3 0		COAL	0	0		
Strong clay, mixed	F 4 0					- 0	3 3
with stone	5 4 0		Seggar	0	1 1	.0	
*****	22	2 2 0	COAL	0	1	0	
White post	0 3 6					- 0	2 10
Blue metal	1 1 10		Seggar	0	2 1	0	
Black stone, with jet	0  1  4		Grey metal, mixed	•		. •	
Seggar	0 4 6		with post girdle	2	5	7	
Black stone	0 0 6		Black stone			ó	
Seggar	0 0 7		COAL	ő		5	
Grey post	1 0 10		COAL	U		- 3	5 10
Blue stone	1 1 7						0 10
Black stone	0 1 0		Seggar band mixed \( \)_	0	0_	$7\frac{1}{2}$	
Seggar	0 1 6		with post	0		$9\frac{1}{2}$	*
Grey metal	0 2 6		COAL—Busty Seam	0			
Broken post	1 0 0					- 1	0 4
Grey post	0 4 3		D. I	-1	1	5	
Blue metal	0 2 2		Dark seggar	1	$rac{1}{2}$		
Grey metal, mixed			Broken post	7		0	
with post girdles	1 4 4		Blue metal	0			
COAL	0 0 1		COAL	0	0	6	0 0
	10	0 6			-	- 9	0 8
Black stone	0 0 2		Seggar stone	0	0	9	
Grey metal, mixed	0 0 -		Blue metal	0	3	0	
with post girdles	2 1 0		COAL	0	1	0	
Broken post	$\frac{2}{2}  \stackrel{1}{0}  \stackrel{\circ}{0}$					- 0	4 9
Plus motel	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			0	0	c	
Broken post, mixed	2 1 0		Seggar	0		6	
	9 0 4		Post girdles	0		Ú	
D11. /	0 0 8		Blue stone	1	_	0	
	0 0 8		Black stone	0	2	7	
Harvey Seam—Ft. In,			Dark seggar, with iron	-	^	0	
COAL 2 3			balls	1		2	
Seggar band 0 5			Blue metal	1		7	
COAL 0 7			Post girdles	0	0	6	
0 /	$0 \ 3 \ 3\frac{1}{3}$		Grey metal, mixed	_	_		
	$-\frac{0}{3} \frac{3}{2}$	3 0 5 <del>1</del>	with post girdle	$^{2}$	5	0	
Carried for	rward 45	3 2 111	Carried forward	7	5	4 74	$1 \ 2\frac{1}{2}$
Carried 101	maru 180	2 112	Chilles 201 Mara	•	-		- 4

<sup>\*</sup> Approximate sea level (Orduance datum).

### No. 2,041.—TUDHOE.—Continued.

Brought forward 7	't. Ir 5 4	. Fs.	Ft.	$\begin{array}{c} \text{In.} \\ 2\frac{1}{2} \end{array}$	Brought forward Fs. Ft. In. Fs. 82		
Brockwell Seam - Ft. In.				•	Seggar        0       3       0         Broken post        1       3       0         Grey metal, mixed		ĺ
COAL, badger 0 7 COAL, good 3 6	4 1				with post girdles 1 2 0	2	
			3	5	3		
Carried forward		82	4	$7\frac{1}{2}$	Total 86	0	71/2

Notes.—Diameter of shaft,  $12\frac{1}{2}$  feet. Coal got, September 2nd, 1870. 9 fathoms of walling; 30 fathoms of metal tubbing; 8 fathoms of walling, Harvey Seam. Harvey Seam arch, 4 feet wide by  $5\frac{1}{2}$  feet high; ditto, 10 feet wide by 9 feet high. 4 fathoms of metal tubbing; 8 fathoms of two-foot walling, Busty Seam. One arch, 10 feet, and one arch, 3 feet wide, 4 feet high, Busty Seam. 18 fathoms of walling. Brockwell Seam, two arches, 10 feet. 20 feet of walling to sump.

## No. 2,042.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.  $54^{\circ}$  43' 18'', Long.  $1^{\circ}$  32' 10''.

An Account of the Boring in Tursdale Estate, by the side of the Cart Road leading to Tursdale, from Hogger's Gate, on the left hand side of the Road in the Third Field from the Highway. July 27th, 1854.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	2	0				Brought forward 21 4 5
Strong clay and gravel	0	5	0				Grey metal 5 2 0
Sand, with water	0	5	0				Dark metal 1 0 0
Brown ramble	<b>2</b>	1	0				Grey post 2 4 0
Blue clay	1	3	6				Grey metal 1 0 0
Sand	0	1	6				COAL, slaty—Top of
Brown clay	1	0	0				Hutton Seam 0 2 0
Stony clay	4	5	3				10 2 0
5 0				11	5	3	Grey metal 5 0 6
Soft brown post	0	1	6				
Grey post	6	4	0				Bottom of Hutton Seam-
Soft parting			6				Ft. In.
Stony white post	1	2 5	9				COAL, good 2 1
Grey metal	ō	Õ	7				COAL, splint 0 5
	·	Ů	•				COAL, good 0 7
Supposed Low Main Seam— Ft. In							0 3 1
10, 111							5 3 7
COAL, strong 2 7							Grey metal, with hard
COAL, coarse 0 3	^		10				girdles 7 1 0
	0	z	10		_		8
				9	5	2	
Carried for	war	ъ		21	4	5	Carried forward 7 1 0 37 4 0
Carried 101	11 641	u		-1	-	9	Cultica for mara

# No. 2,042.—TURSDALE.—Continued.

	Tra	TF+	Tn	Fs.	104	Tn	1	-		_			_
Brought forward				37	4	0	Brought forward	2	rt.	in.	Fs. 60		In. 9
White post, with water				- •			White post	ō	3	8	00	-1	J
at 4 feet, and water							Grey metal stone, with	·	•	Ü			
at 9 feet from the top	2	3	0				girdles	8	3	7			
Grey metal, with post							Strong white post,	_	•	•			
girdles	1	1	0				with whin	0	3	0			
(	1	$\frac{1}{3}$	0				Grey metal		3	8			
Grey post	0	1	0			*	Post	Ō	1	2			
Metal stone, with			·				Grey metal, with gir-						
girdles	3	0	0				dles	2	3	0			
Dark metal	^	5					White post	6	5	7			
Grey metal, with							Grey metal	0	3 5 1	2			
girdles	2	1	0				Busty Seam- Ft. In.						
White post	2 0	4	0				COAL, good 3 11						
Grey metal stone, inclining to post Grey post Grey metal Dark metal							COAL, foul 0 7						
clining to post	1	5	0					0	4	6			
Grey post	0	3	0					0		U		_	
Grey metal	1	1	0								22	5	4
Dark metal	0	0	3				Grey metal	0	0	2			
COAL, with sulphur							Into iron stone	0	0	1			
-Harvey Seam	0	2	0								^	_	0
			-	23	0	9					0	0	3
Grey metal	1	3	0										
Dark metal	0	3	0										
							(Data)				00		
Carried forward	2	0	0	60	4	9	Total		•••	_	83	4	<del>-</del> 4

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,043.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43'.2", Long. 1° 31' 53".

Section of Strata sunk through at Tursdale Colliery. 1859.

Soil Fs. Ft. In. Fs. Ft. In. Volume 1 0 1 0	Brought forward 14 1 6
Yellow clay 1 0 0	Soft blue metal 0 2 0
Sand and gravel, with	Grey post 2 2 0
water 4 1 0	Whin 0 2 6
Blue clay 5 0 6	Strong white post 3 4 2
Sand, with water 0 3 0	COAL - Low Main
Blue clay 3 2 0	Seam 0 2 0
	21 2 2
Carried forward 14 1 6	Carried forward 21 2 2

# No. 2,043.—TURSDALE.—Continued.

Brought forward	Fs.	Ft.	. In.	Fs. 21	Ft.	In. 2	Brought forward Fs. Ft. In. Fs. Ft. 67 5
Fire clay	0	3	10		_	_	Fire clay 0 4 9
Grey post, mixed with	·	•					Strong grey metal 0 4 0
	2	1	6				
	3						
Grey metal		0	6				Deals weetel 3
COAL	0	0	4		_	•	Dark metal 0 0 6
	_		_	6	0	<b>2</b>	Fire clay 0 2 0
Fire clay	0	1	6				Grey post 1 0 4
Grey post	1	0	11				COAL 0 0 2
Dark post, with girdles	0	5	3				1 3
COAL	0	0	6				Fire clay 0 4 8
				2	2	<b>2</b>	Greymetal, with girdles 10 4 5
Grey metal	0	3	8				Grey post 6 2 5
COAL	ŏ	Õ	$\tilde{2}$				Grey metal, with iron-
				0	2	10	1 0 5
N1	_		8	U	J	10	1
Fire clay	0	0					Busty Seam-
Frey metal	0	3	4				COAL 2 8
Strong grey metal, in-		_					Band 0 10
clining to post	0	1	2				COAL 2 0
rey post, with whin							0 5 6
girdles and water	1	2	8				20 2
rey metal, with post	-	_	_				20 2
Y 11	Ω	ĸ	<b>1</b> 0				Total 01 0
girdles	0	Ð	10				Total 91 2
COAL—Top of Hut-	_	_					G 7 17 7 0 17
ton Seam	0	1	10		_		Sunk through further
			—	3	3	6	in a Staple, at 70
ire clay	0	1	6				chains N. 45° W.
rey metal, with iron-							from Pit Shaft:—
stone bands	3	1	7				Strong seggar 0 1 3
OAL — Bottom of	•	-	•				
TT .: 0	^	1	=				
Hutton Seam	0	1	5				
			_	3	4	6	Soft blue stone 0 2 5
ire clay	0	<b>2</b>	8				Ft. In.
rey metal	2	4	0				COAL 0 6
rey post, with whin							Seggar band 0 4
girdles	1	4	4				COAL 1 4
rey metal, with iron-	_	_	_				- 0 2 2
	2	1	6				10 5
	5		2				
trong grey post,	_	1				*	7
with water	1	1	1				Post 1 0 0
trong grey metal,							Grey metal 2 4 0
mixed with post	<b>2</b>	0	4				Black stone 0 1 6
ark metal, with iron-			_				Grey metal 0 2 6
4 1 1	0	3	0				Black stone 0 1 10
OAL							Blue metal 0 1 1
OAL	0	0	4	10	^	_	D / 0 * 0 *
		_		16	0	5	
ire clay	0	1	0				Blue metal 0 4 3
rey metal	0	1	<b>2</b>				Black stone or badger 0 0 7
trong grey post, with							Brockwell Seam-
girdles	1	4	7				Ft. In.
		1					COAL 1 9
rey metal, with girdles			$-3\frac{1}{2}$				Seggar band 0 3
OAL	0	0	$0\frac{1}{2}$		_	-	COAL 0 41 -
_			_	7	<b>2</b>	1	Black stone
ire clay	1	2	10				/
rey metal	5	0	0				
OAL—Harvey Seam	_	2	3				COAL $1 \frac{4\frac{1}{2}}{2}$
= = a		_		6	5	1	0 4.0
			_	J	U	-	9 3
Carried for	ward	d		67	5	11	Total 111 5
2				•	_		

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,044.—TURSDALE.

## TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long

An Account of Boring below the Busty Seam at Tursdale Colliery South of Shaft. January, 1864.

Approximate surface level feet

feet above sea (Ordnance datum).

			_		_			_	1								
36 4.3						Fs.	Ft.	In.	D	•		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal	•••	• • •	0	4	0				Brought	forv	ward				21	1	10
		• • •	7	3	6				Metal			0	0	2			
Metal stone			3	0	0				Post			2	1	10			
Post			1	0	0				Whin			0	1	2			
Metal			1	1	0				Post			Õ	0	6			
Strong post			0	4	1				Black metal			ŏ	ĭ	0			
TX77 .			0	0	11				Grey metal	• •		ŏ	5	0			
Grey metal			3	0 °	0				Post		• • • •	0	4	0			
Metal, mix		ith							Whin	• •	• • • •	0	2	0			
7			0	0	3				Post		• • • •	1	3	9			
0 11			ŏ	Õ	6							T	о	9			
COAL			0	ŏ	8					1	post	-		_			
OOAL	• • •	• • •	- 0	U	0	17	9	11	girdles			1	1	3			
Metal			1	1	0	11	4	11	COAL			0	0	3			
		• • •	_												7	2	11
Black metal		• • •	0	0	6										-	2	ιı
		• • •	2	2	0												
COAL			0	1	5												
						3	<b>4</b>	11									
^				,				10	T) (1.1.1		70						_
C	arried	corv	var	OL.		21	1	10	Depth below	the	e <i>Busi</i>	ty S	ean	ı:	28	4	9
														-			_

## No. 2,045.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Strata sunk through in a Staple in Tursdale Pit from the Busty Seam. 1867-68.

Depth to B Seggar White post CCAL Slaty band COAL	0 7 Ft. In 0 4 0 6 1 0	2 0	91	Ft. 1 2	In. 9	Brought forward Seggar 0 2 4 White post 0 3 9 Grey metal 0 3 6 White post, with whin 1 2 8 Grey metal 1 2 6 Seggar 0 5 0
	— 0 Carried for	1 10 	8	1	5 2	Carried forward 5 1 9 99 4 2

# No. 2,045.—TURSDALE.—CONTINUED.

	t forward	Fs. 5	Ft.		Fs. 99	Ft. 4	In. 2	Broug		ward	Fs.	4	In. 4	Fs. 134	Ft.	In 81/2
Grey metal,	with post	_	_	_				White post	• • •	• • •	0	3	5			
girdles		5	1	0				Whin			0	1	11			
	•••	0	1	7				White post		₹	1	3	11			
drey metal,	with thin							Grey metal			0	1	8			
post girdle	es	<b>2</b>	0	6				White post			0	1	3			
COAL		0	0	9				COAL			0	0	2			
					12	5	7							6	4	0
lack stone		0	0	• 4									_	O	4	8
		ő	2	0				White post			3	0	8			
		ő	ĩ	6				Grey post			ő	ŏ	8			
		ő	2	ő				Grey metal			v	v	U			
	•••							girdles			2	0	0			
		1	0	0				White post	•••	•••	0	1	6			
OAL		0	0	1			111		•••	• • • •			-			
					T	5 1	L12	Grey post	• • •	• • • •	0		10			
eggar		0	0	8				Grey metal	• • •	• • • •	3	0	7			
,		0	5	0				COAL		• • •	0	0	2			
- / 1		1	Ō	0										9	1	5
71 4		ō		10												
		ŏ	4	0				Whin			0	1	5			
		2	2	ŏ				White post			1	0	10			
		ĩ	5	ő				Grey metal	•••		0	2	9			
		0	1					Iron girdle			0	0	3			
	•••			8				Grey post			0	1	7			
	•••	1	2	0				Whin			ŏ	$\tilde{2}$	i			
lack stone	•••	0	3	8				Hard white			ĭ	ō	2			
OAL		0	0	4		_	_			•••	ō	ĭ	4			
					9	2	<b>2</b>	Grey post		 maat	U	1	4			
ggar		0	3	6				Grey metal		_	0	4	0			
1		ŏ	ĭ	4				girdles	• • • •	•••	2	4	0			
icj metar		_			0	4.	10	Grey metal	•••	•••	3		11			
					U	-30	10	Black stone		• • •	0	1	1			
	_	_			_		_	White post	• • •	• • • •	0	5	8			
tal depth t	to bottom	of s	tapl	le 1	.24	4	$8\frac{1}{2}$	Whin	• • •	• • •	0		10			
								White post		• • •	2		11			
	7 (7 7							Grey metal		• • •	2	0	3			
trata bored								COAL	• • •	• • •	0	0	3			
from the I														16	0	4
the Staple	:													_		
rey metal		0	1	8				Seggar			0	1	2			
r		0	0	6				White post			0	1	3			
		1	Õ	Õ				Grey metal,								
71 1.		ĩ	ŏ	9				girdles			0	5	3			
- 1		ō	ĭ	ő				White post			1	5	Õ			
		ŏ	ī	4				Grey metal			0	3	4			
71		ĭ	3	9				Black stone			ŏ	Õ	8			
	•••	ō	3	7				White post			5	ŏ	3			
· · ·		0	5	4				Whin			0	ŏ	6			
~ 4.1				_					• • • •	•••	-	-	3			
OAL		0	0	4		^		White post			0	1	9			
					6	0	2	Grey metal,		-	-	^	0			
eggar		0	<b>2</b>	2				girdles	• • •	• • •	1	0	9			
		0	5	11				White post	• • •	• • •	0	5	6			
71 */		0	2	8									_	11	0 :	11
- 1 1		1	5	1												
OAL		ō	ĭ	õ												
	•••			_	3	4	10									
			_		•	10	10									
00		0	<b>2</b>	4												
rey metal, v	with iron		_													
girdles		3	<b>2</b>	0												
				_					m				-		,	01
Carried :	forward	3	4	4	134	3	$8\frac{1}{2}$		Total				1,	77	5	01
							-						_			

# No. 2,046.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map.	Lat	, Long.	
August 5th, 1795.—Account of the No. Eastward	——— 1 Boring at T from the Hall		s to the

Approximate surface level feet above sea (Ordnance datum).

Soil, with a mixture of sand Sand, with a small feeder of water at 7 feet fr						Ft.	In.
top	••••	2	3	4			
701							
Blue swelling clay, mixed with sand		4	U	0			
		0	1	6			
Sand, with water							
Stony clay, mixed with ramble		1	5	0			
In stony clay		1	4	0			
					10	4	0
Total		•	•••	_	10	4	0

# No. 2,047.—TWIZELL.

### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

	ce ai	Twizell	y	ards to	o the i	S. <i>I</i> S.	w.	OŢ	tne	Eir	st 1
Approximate sur	face	level	feet	above s	sea (O	rdr	ano	e d	latu	m).	
	~					Fs.	Ft.	In.	Fs.	Ft.	In.
oil and sand						0		0			
tony clay							4				
n sand, with water						3	0	0			_
									- 3	- 5	-8

, Long.

## No. 2,048.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Third Place at Twizell Colliery, about 7 yards to the N.N.E. of the First Hole,

Approximate surface level feet above sea (Ordnance datum).

Sail mired with sands	Fs.	Ft.	In.	Fs. Ft. In.	Brought forward			In.	Fs.	Ft.	In.
Soil, mixed with sandy	^	-	0								
gravel	U	1	U		Sand, with water	U	Z	О			
Sand, with scares of					Leafy clay, mixed		_	_			
coal	1	0	0		with sand	1	0	0			
Sand, with a small					Stony clay	1	4	0			
feeder of water	0	5	0		Sandy gravel, mixed						
Blue swelling clay,					with stony clay	2	1	0			
mixed with sand	5	3	0		Sand, with a small						
Gravel, mixed with	•	Ü	·		mixture of clay	0	5	0			
	1	1	Λ		Sand, with scares of	•	·	·			
clay and sand						^	1	Λ			
Stony clay	1	4	U		leafy clay						
Leafy clay, mixed					Grey metal and ramble	Ü	U	9			
with sand	0	3	0		In strong stony clay	5	2	3			
Sand	0	1	3						23	3	0
Leafy clay, mixed										_	
with sand	0	4.	3								
, III	•	_	-								
Carried forward	11	4	6		Total		•••		23	3	0

## No. 2,049.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Fourth Place at Twizell, about 185 yards to the Southward from the First Hole.

Approximate surface level feet

feet above sea (Ordnance datum).

Soil		Ft.			Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 1 5 6 6 1 0
Strong clay							Gravel 0 4 6
Sand, with water							Stony clay 0 1 6
Sand, mixed with							Sand 0 0 6
leafy clay in several							Stony clay 0 2 0
places							Leafy clay 0 5 6
Leafy clay	1	1	9				Sand, mixed with clay 0 1 6
Sand, with water	0	0	9				Leafy clay, with small
				6	1	0	beds of sand 1 0 0 In stony clay 0 2 0
Stony clay	0	<b>2</b>	0				In stony clay 0 2 0
Sand, with water	1	3	6				5 5 0
Carried forward	1	5	6	6	1	0	Total <u>12 0 0</u>

# No. 2,050.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Fifth Place at Twizell, about 190 yards to South of Fourth Hole.

Approximate surface level feet above sea (Ordnance datum).

Soil	_	Ft.	In. Fs. Ft. In.	Brought forw	ard			In. Fs.	Ft.	In
Stony clay				Leafy clay						
Sand, with water				Saud		0	1	0		
Stony clay, with a				Leafy clay		1	$^{2}$	6		
sandy tumbler 9				Stony clay			3			
	0	3	0	Leafy clay						
Sand	0	1	0	Stony clay						
Stony clay	0	1	6	Sand, with water		1	4	6		
Sand	0	1	6					13	3	(
								_		
Carried forward	3	1	0	Total			• • •	_13	3	(
										_

## No. 2,051.—TWIZELL.

## TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Sixth Place at Twizell, about 160 yards to South of Fifth Hole.

Soil Fs. Ft. In. Fs. Ft. In O 1 0	Fs. Ft. In. Fs. Ft. In Brought forward 11 0 0
Gravel and sand,	Sand 0 3 0
mixed with clay 1 0 0	Stony clay 8 0 9
Stony clay, with a	19 3 9
mixture of sand 1 0 0	Blue grey scamy metal
Sand, with water 1 1 0	and metal stone
Leafy clay 1 0 0	with post girdles 1 3 0
Sand 0 2 0	In white and grey
Leafy clay 1 5 0	scamy post, with
Leafy clay 1 5 0 Stony clay 4 3 0	partings 0 2 6
	1 5 6
Carried forward 11 0 0	Total 21 3 3

# No. 2,052.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Seventh Place at Twizell on West Side of Hall.

Approximate surface level feet above sea (Ordnance datum).

# No. 2,053.—TWIZELL.

## TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Eighth Place in Twizell Estate, about 400 yards to the South-west from the Engine. February 25th, 1805.

Soil		Ft.	In. 4	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 5 0 8 2 1 4
Gravel	1	4	0				Strong stony clay 2 0 0
Sand, with gravelly							Sand, with water 0 4 0
stones	0	1	0				Strong stony clay 1 3 0
COAL, foul, with							Sand 1 0 0
gravelly stones	0	2	0				Stony clay 0 2 0
				<b>2</b>	1	4	A whin tumbler 0 0 10
Mixture of sand and clay, with gravelly							Stony clay 2 0 2
clay Sand, with a siping of	1	3	8				
water	3	3	0				
Carried forward	5	0	8	2	1	4	Total 15 0 0

# No. 2,054.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Ninth Place at Twizell in a Clover Field called ------, about 100 yards from the North Corner, and about 400 yards North-west of the First Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay, mixed					Broug	ht for	ward	3	5	0			
with gravel	0	3	0		Leafy clay			0	1	0			
Sand. mixed with					Stony clay			0	5	0			
gravel Strong gravel	0	1	6		Sand, with	water		2	2	6			
Strong gravel	0	3	0		In clay			0	0	6			
Gravel, with water	0	4	0		•						7	2	0
Sand, with water											Ť		
0 1 1 0 1			_			/III / 1							
Carried forward	3	Э	U			Total	•••		•••		7	<u>z</u>	_0

# No. 2,055.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Tenth Place at Twizell, 10 yards towards the First Pit from the Ninth Hole.

Soil and sand Stony clay, with a mixture of sand Rambly gravel, with	0	3	0	Fs.	Ft.	In.	Brought forward 8 0 0 5 4 0  Blue metal 0 1 3  Black metal 0 0 4  COAL 0 4 2
Rocky sand, with water Stony clay							Grey post, with metal partings 2 3 3
Blue and brown scamy metal			_	5	4	0	In grey metal stone, with hard girdles 1 2 0 3 5 3
Blue grey metal and metal stone with post girdles	7	0	0				
Carried forward	8	0	0	5	4	0	Total <u>18 3 0</u>

## No. 2,056.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Eleventh Place at Twizell, about 3 yards to the North-west of the First Place.

Approximate surface level feet above sea (Ordnance datum).

Soil, mixed with sand	Fs. 0	Ft.	In. 0	Fs.	Ft.	In.	Brought forward	Fs. 4	Ft.	In. 0	Fs. 7	Ft.	In
Clay, mixed with							Sand, mixed with						
gravel	0	<b>2</b>	0				leafy clay and water	0	1	6			
Fravel, mixed with	_		_				Leafy clay		5	6			
$\operatorname{sand} \dots \dots$	0	1	6	^		0	Stony clay	0	4	0			
Sand, with water and				U	4	О	Stony clay, mixed	-	=	Λ			
							with sandy gravel Sand	Ų	1	٥			
clay	0	5	6				Stony clay, with mix-	U	-	U			
a small mixture of clay Brown sand	ŏ	3	9				ture of gravel in						
Blue sand, with a							some places	0	4	6			
small mixture of							Sandy gravel	0	3	0			
clay	0	3	9		_	_	Sand, with a mixture						
			_	2	1	0	of leafy clay	0	ī	4 8			
Leafy clay, mixed with sand	9	5	G				Stony clay	U	b	8			
Stony clay, mixed with	J	J	U				Sand, mixed with clay, with water		1	6			
sand and gravel	1	0	6				Strong stony clay	9					
	_			5	0	0	l strong strong stary	_			20	0	-
Strong stony clay	3	0	0				In brown and grey						
Leafy clay, with scares	_						scamy post				1	4	1
of sand	1	0	0										
Carried forward	_	0	_	7	5		Total				90	A	
Carried forward	4	U	U	7	Э	0	Total		•••	-	29	4	

## No. 2,057.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Boring in the Twelfth Place at Twizell, about 7 yards to South-east of First Place. February 12th, 1796.

Black soil				Fs. Ft. In.	Brought forward				Fs.	Ft.	In.
Sand, with gravelly			О		Blue sand, with a small	J	υ	U			
clay			6		mixture of clay	0	4	0			
Sand, with small beds of gravel	1	1	0		Leafy clay, mixed with sand	0	0	9			
Sand, with water and a					Clay, mixed with sand	2	0	7			200
small mixture of clay Brown sand, mixed	0	5	0		In leafy clay	0	0	2	6	4	6
with swelling clay	1	2	0						Ü		
Carried forward	3	5	0		Total		•-•		6	4	6

# No. 2,058.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in a Staple at Twizell, near the Burn Side. Nov. 10th, 1795.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold,							Brought forward				34	1	0
about		0					Whin	0	1	6			
Box through rubbish	3	3	0				Dark grey metal, with						
			-	9	3	0	girdles	1	1	0			
Grey metal stone, with							COAL	0	2	7			
hard girdles	6	4	6							_	5	0	1
Grev post, with water	0	4	6				Grey metal stone, with						
hard girdles Grey post, with water Grey metal stone	0	1	0				water	1	0	0			
Brown and grey post,							White post	0	1				
with whin girdles							Grey metal		ō				
and scamy partings							COAL		ō				
and water	9	5	0								1	2	2
Grey metal stone and	•	•					Black and grey metal	Ω	2	0	-	-	_
white post, with							Grey metal stone, with	U	~	U			
hard girdles	3	3	0				post girdles	0	5	0			
White post	3	$\frac{3}{1}$	6				Whin mixture	ñ	1	ŏ			
COAL	ñ	2	6				Gray goamy post	ñ	5	6			
				24	4	0	Whin mixture Grey scamy post Grey metal stone	0	9	0			
Black grey metal,				24	-10	U		U	4	U			
with small bands							Blue grey metal stone,	0	2	c			
	0		^				with girdles		3	6			
of coal	U	2					COAL	0	3	3	_	_	
Grey metal stone	z	4	3								5	3	3
White post, with a	_	_	_				In whitish grey metal				0	1	0
mixture of whin	0	0	9	_									
Carried forward	3	1	0	34	1	0	Total				46	1	6

# No. 2,059.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Bottom of a Staple, near the Engine Pit, at Twizell, from Hutton Seam. June 10th, 1799.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Grey metal 0 0 6	Brought forward 12 2 0 0 1 0
COAL, foul 0 0 6	Grey girdly post, with
0 1 0	metal partings 3 3 0
Strong greymetal stone 5 5 0	Whin mixture 4 5 0
Grey post, with much	Strong blue grey metal
water 6 3 0	stone 0 2 0
Carried forward 12 2 0 0 1 0	Carried forward 21 0 0 0 1 0

# No. 2,059.—TWIZELL.—CONTINUED.

Duonaht fammand				Fs.	Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward Whin mixture	1			0	1	U	Brought forward 31 5 0 Dark grey metal 0 1 0
A cashy parting or	1	4	U				Grey metal stone 0 4 6
	0	0	3				Dark grey metal 0 1 2
Grey metal stone, with	·	·	•			٠.	Soft brown scamy
post girdles	2	1	8				stone 0 2 6
Black slaty metal,							Grey metal stone 0 3 8
mixed with coal	0	1	1				Whin mixture 0 0 6
				24	5	0	Grey metal stone 0 0 8
Whitish grey metal	0	1	0				White post 1 1 0
Strong whitish grey	_	_	_				Whin 0 1 6
metal stone	3	3	0				Strong white post,
Strong white post,							mixed with whin 0 1 4
with a mixture of	1	•	c				In whin mixture 0 1 7
whin	1	3					4 1 5
Whitish grey metal Black grey metal or	1	0	U				
coal, with water	Λ	0	6				
coup, with water			_	6	5	0	
				_			
Carried for	war	d		31	5	0	Depth below Hutton Seam 36 0 5
							-

# No. 2,060.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

# Account of a Boring in the Coal Pit at Twizell, in the East part of Ground. 1739 and 1740.

Box	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In. Brought forward 8 3 6 0 1 8
White metal stone,		_	_				Grey post girdles,
with brown scames							with metal partings 1 0 0
A black parting							Brown and white post,
White post	U	Б	U				with brown and
Brown and white post,	-		^				blue partings, with
with water	Т	4	U				much water 2 0 0
Grey metal stone, with girdles or cat-							Brown and grey post,
heads	1	Λ	Ω				with brown partings 3 3 0 White post, with
Black slaty metal, with	-	U	U				brown and grey
a small mixture of							scamy partings 6 0 0
coal	0	3	0				Coal pipy post 0 2 6
Blue and grey metal	•	•	•				Brown and white post
with catheads and							girdles, with blue
girdles, with water	2	3	0				scamy partings 3 3 0
Blue metal, with cat-							, ,
heads	1	3	0				
						-	
Carried forward	8	3	6	0	1	8	Carried forward 25 0 0 0 1 8

## No. 2,060.—TWIZELL.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 25 0 0 0 1 8	Fs. Ft. In. Fs. Ft. In. Brought forward 1 3 0 25 5 11
Ft. In.	Grey post 0 4 8
COAL 1 2	Grey metal stone, with
COAL, mixed	water 1 0 0
with blue	Grey and black metal,
metal 0 2 COAL 2 3	with girdles or cat-
COAL 2 3	heads 1 0 0
Black metal 0 2	COAL 0 2 11
COAL 0 6	4 4 7
0 4 3	9 (411-1)
25 4 3	Soft black metal 0 0 3
Black and blue metal 0 3 0	In grey metal stone 0 1 6
Grey metal stone, with white and grey post	0 1 9
girdles 1 0 0	
Carried forward 1 3 0 25 5 11	Depth below Main Coal Seam 31 0 3
	1

# No. 2,061.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51′ 56″, Long. 1° 39′ 5″.

Account of Strata sunk through in the Engine Pit, near Gingling Gate, Twizell Colliery. Begun March, 1843, and finished April, 1844.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. F	t. In
Outset	2	4	0				Brought forward 4 2 4 19	0 10
Soil	0	0	6				Blue metal stones,	
Clay and gravel, with							with vegetable im-	
a little sand	1	0	6				pressions 2 1 3	
Sand, with a little							Black stone, with	
water	0		0				scares of coal 0 1 1	
Strong clay	3	3	1				Thill 0 1 9	
Dry sand and gravel	4	3	0				Strong white post,	
Sand, with water							with gullets, in	
	1	3	7				which the water	
Clay and gravel, with							escaped and kept	
water	2	<b>2</b>	6				pit dry 4 2 10	
Strong blue clay, with							Blue metal 1 1 11	
tumblers	1	3	2				Grey metal stone, with	
Q .			_	18	0	4	post girdles 0 3 6	
Blue metal	0	<b>2</b>	0				White post, with	
COAL — Main Coal							water, stopped sink-	
Seam	0	4	6				ing, 1 fm. 3 ft. 6 in.;	
				1	0	6	into it about May	
Seggar clay	0	2	3				24th, 1843, and re-	
White post girdle	0	1	0				sumed sinking after	
Shivery post	0	1	2 7				erecting the main	
White post	2	0	7				engine on Dec. 29th,	
Blue metal stone							1843; feeder, $3\frac{1}{2}$	
Black stone	0	1	11				strokes per minute	
							when engine began 6 1 0	
Carried forward	4	2	4	<del>-</del> 19	0	10	Carried forward 19 3 8 19	0 10

## No. 2,061.—TWIZELL.—CONTINUED.

Fs. Ft. In Brought forward 19 3 8	Fs. Ft. In. 19 0 10	Brought forward	Fs.	Ft.	In.		Ft.	
Blue metal 0 0 11	10 0 10	Thill stone	0	1	8	10	•	1.5
Strong white post, in		Post	ŏ	ī	6			
which the water in-		Whin girdles	ŏ	î	6			
creased to 13 strokes		Blue stone	Ö	2	1.			
per minute; stone		TX71 * *	0	2 0 2 0 2 1	<b>4</b> 8			
		D1 /	1	9	1			
very hard last two			7	4	6			
fathoms 5 3 0		White post	0	U	0			
Maudlin Seam-		Blue stone	Û	z	7			
Ft. In.		White post		Ţ	8 6			
COAL, tender 0 2		Blue stone	0	0	6			
COAL, good 2 4		Whin	0	1	<b>2</b>			
Black band 0 4		Blue stone, with post						
COAL, coarse 1 2		girdles	1	0	2			
0 4 0		Hutton Seam- Ft. In.						
	25 5 7	COAL, good 3 10						
Blue metal stone, with		Slaty band 0 3						
post girdles 3 5 5		COAL, coarse 0 6						
Low Main Seam -		COAL, band 1 6						
COAL, good 3 2			1	0	1			
Grey post band $1 \frac{1}{2}$			_		_	5	4	5
COAL, bot-		Thill stone	0	2	0	U	- 300	U
, , ,		In blue stone	1	õ	5			
	1	In blue stone	1	U	J	1	2	5
0 <sub>.</sub> 5 6						T	4	9
	$4 \ 4 \ 11\frac{1}{2}$							
C	10 5 13	70.4.1			*		^	01
Carried forward	$49 \ 5 \ 4\frac{1}{2}$	Total		• • •	_	<b>5</b> 7	0	25

# No. 2,062.—TYNE MAIN.

\* Approximate sea level 128 feet below this.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through at the Engine Pit, Tyne Main Colliery, from the Thill of the Low Main Coal. 1798.

Sunk :	Fs. Ft. In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs.	Ft. In. 1 1
COAL, ground, and					Black stone 5 1 0	, _
thill					White post 3 4 0	
	3 2 0				8	5 0
COAL	$0 \ 0 \ 9$					
		4	0	9	Total sunk 18	0 1
Blue stone	$4 \ 0 \ 0$					
Post girdles	1 0 0				Bored :—	
COAL	$0 \ 0 \ 4$				White post 2 1 2	
		5	0	4	White post 2 1 2 Black stone 1 0 0	
					COAL 0 0 5	
					3	1 7
Carried for	ward	9	1	1	Carried forward 21	1 8

# No. 2,062.—TYNE MAIN.—CONTINUED.

Brought forward Thill 0 4 0 Blue stone 1 0 8 COAL, with water 0 0 3 Grey stone 4 2 8 COAL 0 0 0 8 Grey stone 0 0 0 5 Grey stone 0 0 0 5 Grey stone 0 0 0 5 Grey stone 0 0 4 10	9
Blue stone 1 0 8 COAL, with water 0 0 3	5
COAL, with water       0       0       3         Grey stone        4       2       8         COAL        0       0       8             Whin         0       0       10         Grey post         2       5       4         COAL         0       0       5	5
Grey stone 4 2 8 COAL 2 5 4 COAL 0 0 5	5
Grey stone 4 2 8 COAL 0 0 5 COAL 0 0 5	5
COAL 0 0 8	5
COAL 0 0 8 6 0	5
	•
Thill 0 1 0 COAL	
White post 1 3 0 Grey post, with part-	
per	
1 2 10	
771	
COAL 0.10	
	6
COAL, foul,  Black stone 1 3 3	
slaty 0 2 White post 1 1 10	
COAL I IO Blue stone 0 0 9	
— 0 3 8	
	-
8 3	1
Carried forward 29 5 9 Total below the Low Main Seam 49 5	9
Confidence of the following from the Both Matthe Seam 45 5	

## No. 2,063.—TYNE MAIN.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat.  $54^{\circ}$  57' 43'', Long.  $1^{\circ}$  34' 15''.

Strata sunk through in the William Pit, Tyne Main Colliery. January 14th, 1841.

Approximate surface level 75 feet above sea (Ordnance datum).

Rubbish 1 2 2 Brought forwar			In.	Fs. 22		
G-11 D1 -1 -1 -1 -1	_	0	5	44	2	O
Soil 0 1 0 Black stone COAL COAL		_	_			
	. 0	U	11	-		10
partings 1 3 4		_		1	4	10
	. 0	3	8			
clay 8 2 8 Broken grey meta	l					
Loamy clay, mixed (0 5 10 and post girdles	. 0	5	10			
with sand \ 0 3 2 * Broken soft blue meta	1 1	3	10			
	. 0	0	2			
Dioken metal, mixeu				3	1	6
	0	1	8	·	_	0
Black metal, mixed Soft grey metal thill	1					
with coal        0       0       10       Soft grey metal thil         Seggar clay        0       1       11       Grey metal          COAL       0       1       10       Soft broken metal		-	9			
Seggar clay 0 1 11 Grey metal	. 0	อ	2			
		Э	Z			
16 0 9 Soft metal or segga			_			
Soft grey metal 2 2 5 clay	0	5	<b>2</b>			
Freestone, with whin 2 5 10 Blue stone	0	5	2			
Freestone, with post 0 5 0 Soft blue stone	0	3	2			
COAL and black						
	0	1	0			
0 1 3				5	3	6
Soft grey metal 1 3 6					3	0
Carried forward 1 3 6 22 2 6 Carried for		а		33	0	1.
Carried forward 1 3 6 22 2 6 Carried for	T. A. SEL.	u		ออ	U	48

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,063.—TYNE MAIN.—CONTINUED.

110.	-,0	00.					
Brought forward	s. F	t. I1	ı. F	s. F	t. Ir 0	1. 4	Fs. Ft. In. Fs Ft. In. Brought forward 15 4 5 70 1 4
White post Grey metal and iron-	1	2 (	)				Bensham Seam—Ft. In. COAL 2 7
stone girdles	_		)				Band 0 6 = Splint metal 0 9
Grey post, with metal			2				Band 0 3
White post Dark blue metal cat-							Splint metal 0 10 0 4 11
heads	-		6			1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL	0 	0	3 -	8	1	2	Blue thill stone 0 2 8
Post	7	4 (	0			.	Strong white post 0 5 0 White post, mixed
Post and whin			6				with spar 2 0 0
Ditte metal	0	1	6				Whin and post 3 3 0 Leafy broken post 1 2 0
High Main Seam— Ft. In.							Blue metal 1 2 0
COAL 5 8							Six-Quarter Seam— Ft. In.
Band $0 \frac{11}{2}$							COAL 0 10
COAL 2 42	1	2	2	_			Blue stone 1 0 COAL 0 10
	0	4	- 1 0	.2	1	2	Black stone 0 4
Grey thill Blue metal, with post	0	*#	J				COAL 0 8
girdles	4	2	6				Black stone 0 4 COAL 2 0
Metal Coal— Ft. In.							1 0 0
COAL 0 8							Grey thilly post $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$
Grey metal 1 6 COAL 1 8							Strong grey post part-
	0	3 1	0.	=	1	4	$\lim_{n\to\infty} \dots \dots \lim_{n\to\infty} \frac{1}{n} \stackrel{2}{\sim} 0$
	7		_	5	4	4	Grey whin 0 2 0   Strong blue metal 2 0 8
Grey thill Blue metal	$\frac{1}{0}$	1 4	0				Five-Quarter Seam— Ft. In.
Grey post	1	<b>2</b>	5				COAL 1 6
Grey whin Strong blue metal	0	0 1 4	0				Splint 0 4 COAL 0 3
COAL — Stone Coal							Band 0 3
Seam	0	1	0	4	1	4	COAL 0 4
Don't ower 4hill	0	0	<del>-</del>	4	1	**	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Dark grey thill Strong grey post and	U	U	U				COAL, splint 0 4
hard girdles	1	0	0				0 3 7
COAL	0	_0 	3	1	0	9	Dark grey metal 0 2 0
Grey post and hard							Blue metal, with post
girdles		0	0				girdles 1 3 5 Blue metal, with hard
Blue metal and girdles Black stone	3	$\frac{2}{0}$	0 8				girdles 2 1 4
COAL—Yard Seam	o	1	7				White post 1 1 8 Grey whin 0 3 0
				5	4	3	Strong white post and
Strong grey thill	$0 \\ 1$	$\frac{4}{3}$	0				whin 1 4 5 White post, with scares 0 3 0
Strong grey post Grey whin	ō	1	0				Strong blue metal 1 1 0
Whin and hard girdles	4	2	8				Dark blue metal 0 1 0
Grey metal Hard grey post, with	1	5	4				Low Main Seam— Ft. In.
whin	1	0	0				COAL 5 10 Swad 0 3
Blue metal Blue and grey metal,	1	4	0				Swad 0 3 COAL, bottom 0 9
very jointy	4	2	5				$\frac{1  0  10}{10  3  8}$
4							
Carried forward	15	4	5	70	1	4	Carried forward 111 4 3

# No. 2,063.—TYNE MAIN.—CONTINUED.

Brought forward  Sump—grey thill 0 5 0  Grey stone 1 5 0  Hard grey post 0 0 2	Brought forward 2 4 2 111 4 3  Blue metal, with hard girdle 2 0 10  4 5 0
Carried forward 2 4 2 111 4 3	Total <u>116 3 3</u>

# No. 2,064.—TYNEMOUTH.

et abo	ove	the Sh	rdn	anc	e da	tur		uth
		sea (O					n).	
			Fs.	374				
						Fs.	Ft.	$\mathbf{In}.$
	• • •	• • •	0	$\frac{2}{2}$	0			
	• • •	• • •	3	5	0			
	• • •		U	1	4			
•								
•	• • •							
•	• • •	0 10	0	0	1			
			U	3	1		بر	_
			_		_	40	5 1	5 6
			Ft. In. 1 11	Ft. In. 1 11 0 4	Ft. In. 1 11 0 4 0 10	Ft. In. 1 11 0 4 0 10	Ft. In. 1 11 0 4 0 10 0 3 1	Ft. In. 1 11 0 4 0 10 0 10 0 3 1

# No. 2,065.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Account of Boring near the Black Middens, North Shields. No. 1 Hole. June 24th, 1818.

							Fs.	Ft.	In. Fs.	Ft. I	ln.
Grey metal s	tone						4	0	0		
Grey metal s			ck post	girdles	and w	ater	3	5	10		
Light grey n	ietal						3	1	0		
Dark metal							0	0	$1\frac{1}{2}$		
COAL-Fit	e $Feet$	Seam					0	4	$2\frac{1}{2}$		
									— 11	5	<b>2</b>
Dark thill									0	0 1	LO
											_
		,	Total						12	0	0
											_

#### No. 2,066.—TYNEMOUTH.

## TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

No. 2 Hole, bored 250 yards South-west from last Hole. June 28th, 1818.

Approximate surface level feet above sea (Ordnance datum).

Clay Sand COAL		7	0 3	0 0	Fs.	Ft.	In.	Brought forward 10 1 9 7 3  Blue metal 1 1 0  COAL, swaddy 0 0 5  Dark coaly thill 0 0 10
Dark grey thill Dark grey metal s White post, with n partings and w including 3 fee	tone netal ater,	2	0 2	9				Grey metal, with post girdles and water 1 1 4 COAL, with splint in middle—Five Feet Seam 0 2 4
whin Grey metal stone, post girdles	 with	5	0 5					0 2 1 13 1
Carried forward	ard	10	1	9	7	3	3	Total 20 4 1

# No. 2,067.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

A Borehole at Tynemouth, 100 yards West of the Workhouse, near the Haven, put down to the Stone Head; foundation for the Collingwood Monument. June 10th, 1841.

			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil			0	2	0			
Strong yellow clay			0	2	0			
Dark blue clay, with pebbles			4	0	0			
Sand, with water			0	2	3			
Strong dark blue clay, with pebbles			2	2	3			
Red clay	•••		0	0	6			
Grey post, with red bands			Õ	4	6			
poor, well road bazado, iii	•••	•••	_			8	1	6
Total	• • •					8	1	6

# No. 2,068.—TYNEMOUTH.

## TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

#### Borings made at the Low Lights, North Shields, on site of proposed Dock. 1852. No. 1.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Sand and gravel .		***	 	 0	1	6				
Yellow clay			 	 0	0	8				
Mild freestone .			 	 0	5	4				
COAL, very rotten.			 	 0	0	8				
Grey thill, very rotte	n		 	 0	2	6				
Hand blue motel			 	 0	4	9				
Hand ower metal	•••		 	 0	2	9				
	•					_	3	0	2	
		Total	 		•••		3	0	2	

# No. 2,069.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

No. 2.

	Fs. Ft. In. Fs. Ft. In. 1 1 4	Brought forward		Fs. Ft. In.
Strong blue clay	0 2 7	Blue clay	$0 \ 2 \ 0$	
Sandy clay and hard		Brown clay, very hard	0 1 0	
tumblers	0 5 6	Sandy clay, very hard	0 1 0	
Strong blue clay	0 0 6	Brown clay, very hard	$0 \ 3 \ 1$	
	0 0 7	Sandy clay, very hard	0 1 3	
Loose stone	0 0 3	3,		4 1 1
Carried forward	2 4 9	Total		4 1 1

# No. 2,070.—TYNEMOUTH.

## TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Map.	Lat.	1.2		Long.	٨
		hovo s	aa (C	Irdnanca dat	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			ca (c	•	<del></del>
				3 1 0	s. Ft. In.
			•••		
					3 4 0
otal				·	3 4 0
	evel	No. 3.  vel feet a	No. 3.  vel feet above se	No. 3.  vel feet above sea (C	No. 3.  vel feet above sea (Ordnance dat  3 1 0  0 1 0  0 2 0

# No. 2,071.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 8	9 of O	rdnan	се Мар.	Lat	t.			Lor	ıg.				
				No.	4.								
Approxim	nate s	u <b>rfac</b> e	level	fee	t al	bove	sea (C	)rdn	anc	e da	atur	n).	
 								Fs.		In.	Fs.	Ft.	In,
Sand				•••				0	2	0			
Blue clay								0	2	0			
Sand								1	0	0 '			
Grey freesto				•••				ō	1	6			
Sand			•					ŏ	2	ŏ			
		•••	•••	•••		•••		ĭ	õ	6			
Stony clay	•••	•••	•••	•••		• • •		т	U	O			_
										_	3	2	0
			Total								3	2	0

# No. 2,072.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ore	dnance Map. _	Lat.	_		Long.	
		No. 5.				
Approximate sur	rface level	$\mathbf{feet}$	above a	sea (C	rdnance da	tum).
Sand ware aviale					Fs. Ft. In. 1	Fs. Ft. In.
Sand, very quick	with alow	•••	•••	•••	1 5 6	
Sand, rather hard,	with clay	• • •	• • • •	•••	0 4 9	
Sand, very quick		•••	•••		0 3 9	
Clay, rather sandy					$0 \ 1 \ 0$	
Blue clay					0 3 0	
						4 0 0
	Total	١				4 0 0

# No. 2,073.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

rdnanc	e Map.	Lat.			, L	ong.				
		No. 6.								
urface	level	feet :	above	sea (C	)rdn	anc	e d	latu	m).	
								Fs.	Ft.	In.
	•••				_	-	-			
			•••	• • • •			_	2	5	0
	Total							2	5	0
		urface level		No. 6. urface level feet above	No. 6.  urface level feet above sea (C	No. 6.  urface level feet above sea (Ordr  1	No. 6.  urface level feet above sea (Ordnance 1 ordnance 1 ordnanc	No. 6.  urface level feet above sea (Ordnance de level feet above sea (Ord	No. 6.  urface level feet above sea (Ordnance datu  1 0 0  1 5 0  2	No. 6.  urface level feet above sea (Ordnance datum).  1 0 0 1 5 0 2 5

# No. 2,074.—TYNEMOUTH.

## TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Approximate	surface	level	feet	above	sea (C	)rdr	anc	e d	atn	m).	
						Fs.			Fs.	Ft. I	n.
and, gravel, and	hard tr	ımblers	3			$^{2}$	1	0			
								_			
				***	•••			ŏ			
arth, rather loar	my, witl					1		0			
arth, rather loar lay and sand	my, witl	tumb	lers 			1	$0 \\ 1$	0			
arth, rather loar lay and sand trong clay	my, witl	ı tumb	lers			0	0	0	4	0	0

# No. 2,075.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of O	. Lat.	_								
Approximate s	urface level	No. 8. feet above sea (Ordnance datum).								
Sand and gravel Hard blue clay	 Total				Fs. Ft. In. 1 5 0 1 0 0	Fs. Ft. In.  2 5 0  2 5 0	- 8			

# No. 2,076.—TYNEMOUTH.

# TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

-		· ·
Sheet 89 of Ordnance Map.	Lat.	, Long.
	No. 9.	
Approximate surface level	feet ab	ove sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft	In	ı,
Sand	 				 	0	1	6				
						1	0	6				
					 	1	1	0				
		ayers of			 	1	2	0				
					 	1	3	0				
·									5	2	(	0
												-
			Tota	ıl	 				5	2	(	0

### INDEX.

N.B.—Names of Coal Seams and other beds are in italic. The same name often applies, according to locality, to more than one Seam.

A Pit, Seaton Delaval Colliery 55. A Pit, Springwell Colliery, 183. A Pit, Stella Grand Lease Colliery, 197. Acklington, 310. Adamson's Public House, Shildon Lodge, 124. Adamson's Public House, Spennymoor, 182. Addison Pit, Stella Colliery, 219, 220. Allerdean Winning, 265. Allerwash, 86, 87.
Allotment land, Stanley, 188. All Saints, Newcastle-upon-Tyne, 25—27. Alnwick, Shilbottle Colliery, 183—117.

Annie Pit, South Medomsley Colliery, Armstrong's House, Tanfield Moor, 254,

Armstrong's Springwood, Tanfield Lea, 243, 244, 245, 246. Armstrong's Low Field, Tanfield Lea, 244. Ash Tree Pit, Stella Grand Lease Colliery, 195.

Avenue The, Seaton Delaval, 53, 54.

B Pit, Seaton Delaval Colliery, 55, 56. B Pit, Springwell Colliery, 183. B Pit, Stella Grand Lease Colliery, 200. Ballarat Seam, 191, 229, 230. Barlow Fell Seam. (See Barlow Field.) Barlow Field Seam, 198, 200. Barras' land, Saltwellside, 28. Beatumont Seam, 29, 30, 103, 266, 347.
Bedburn, North, 270—272.
Bensham Seam, 7, 9, 26, 50, 73, 84, 101, 103, 105, 130, 184, 264, 348
Bent House, Westoe, 177.

Bertram Place, Earsdon, 138. Berwick-upon-Tweed, Scremerston Col-

liery, near, 38.
Berwick-upon-Tweod, Shoreswood Colliery, 141.

Billy Row, 186, 229-231. Biteabout Seam, 34, 229. Black Fell Water Drift, 265. Black Middens, North Shields, 349. Black Plantation, Tudhoe, 324. Black Prince Cottages, 314. Blackside Pit, Talkin Colliery, 236. Blacksike, 237. Blaydon Ćolliery, Owners, 279. Blyth, River, 156. Boggle Hole, Stella, 196.

Bog Pit, Stella Grand Lease Colliery, 206. Bored below *Brockwell Seam*, 190, 330, 336. Bottom Seam, 310.

Boutflower's Farm, 87. Bowes, George, Royalty of, 106. Brancepeth, New, 161. Brandon and Byshottles, 161.

Brass Thill Seam, 93, 99, 107, 109, 148, 150, 155, 167, 169, 172, 173, 180, 181, 246, 250, 255, 262.

Brenkley, 50-52. 

326, 328, 330, 332, 334. Brockwell Seam, bored below, 190, 330, 336.

Briery Hill, Stannington, 194. Broken Backed House, 10. Brown's Mill, Shiremoor, 133. Bulman Seam, 37, 141. Burn Side, Twizell Colliery, 343.

Buston, Low, 143. Busty Seam, 47, 107, 126, 162, 164, 166, 167, 168, 170, 189, 191, 229, 230, 263, 270, 275, 324, 325, 329, 331, 333, 334, 335.

Byers Garth Farm, Sherburn House, 95. Byker Bar, 9. Byshottles, Brandon and, 161.

C Pit, Seaton Delaval Colliery, 57, 58, 60. C Pit, South Tanfield Colliery, 181. Caldside Seam, 35.

Cannel Coal, 47, 197, 228. Cape Pit, Tanfield Moor Colliery 257. Carr & Co.'s Shoreswood Colliery, 141. Cassop, 332—336. Catherine Pit, St. Helens Auckland Colliery, 20.
Cancer Coal, 37, 39.
Centre Bit Field, North Moor Farm, 64. Centre Pit, Team Colliery, 265. Chapman, Messrs., Saltwellside, 28. Chance Pit, Throckley, 301. Charlaw, 4. Chirton, 131—137. Clarence Railway, 289. Coal Sill, 118. Collierly, 166, 173. Collingwood's Monument, Tynemouth, Cooper-eye Seam, 37, 141. Corving House, Tanfield Moor Colliery, Cowen's Freehold Pit, Stella, 211.

Cowen's Freehold Pit, Stella, 211. Cowen's Water Mill, Stella, 211. Cragg Wood, Evenwood, 224. Cramlington Wagonway, 83. Craw Coal Seam, 236. Croglin Fell, 237. Crook and Billy Row, 186, 229—231. Crow Coal Seam, 197, 201, 207. Crown Pit, Saltwellside, 28. Cumberland, Talkin Colliery, 236.

D Pit, Seaton Delaval Colliery, 57. Darling's House, 3. Davison's Ground, Tanfield, 242. Denton Low Main Seam, 347. Derwent, River, Shildon on the, 118. Dewley Burn Level, Throckley, 299. Diamond Coal Seam, 36, 39. Doll Pit, Sheriff Hill Colliery, 104. Douccate Close Well, Throckley, 302. Dove Pit, Talkin Colliery, 236. Duke Seam, 310, 311. Dunn Limestone, 34. Durham and Nettlesworth Road, 3. Dyke Pit, Shilbottle Colliery, 117.

E Pit, Seaton Delaval Colliery, 71.
Earsdon, 138.
Earsdon Lane, 138, 139.
East or New Pit, Shilbottle Colliery, 111.
East Sleekburn, 156.
East Pit, Sherburn Hill Colliery, 93.
East Pit, Tudhoe Colliery, 328.
East Shibdon, 105.
East Stanley Colliery, 191—193.
East Thickley, 266—270.
East Ward, Gateshead, 136, 346—349.
Edmondsley, 337—346.
Eight-Yard Limestone, 110, 111.
Emma Pit, St. Helens Auckland Colliery, 19.
Emma Pit, Towneley Colliery, 206, 209.

210.

Eldon, Lord, Estate, Shildon, 121. Elsdon, 173. Elvet, Durham, 223. Engine Pit, St. Helens Auckland Colliery, 16, 18, 21. Engine Pit, Scremerston Colliery, 38. Engine Pit, Seaton Burn Colliery, 48. Engine Pit, Seaton Delaval Colliery, 66, 69, 70. Engine Pit, Seghill Colliery, 84. Engine Pit, Shildon Colliery, 122. Engine Pit, Shitton Colliery, 122.
Engine Pit, Shotton Colliery, 146.
Engine Pit, South Hetton Colliery, 162.
Engine Pit, Throckley Colliery, 298.
Engine Pit, Twizell Colliery, 343, 345.
Engine Pit, Tyne Main Colliery, 346.
Engine Seam, 296, 301, 304, 305, 306, 308. Engine Shaft, Tanfield Lea Colliery, 249 Engine, Twizell, 340. Errington's South Herd Hill Field, Stannington, 193. Evenwood, 224. F Pit, Seaton Delaval Colliery, 71. Fanny Pit, Sheriff Hill Colliery, 103. Fanny Pit, Throckley Colliery, 303. Farewell Pit, St. Anthony's Colliery, 6. Fell Gate, Shiremoor, 135. Fell Gate, Tanfield Leigh, 259. Fenwick's Moor, Shiremoor, 139. Findon Hill Pit, Sacriston Colliery, 5. First Pit, Twizell Colliery, 341. First Sinking Pit, Thrislington Colliery, 285. Five-Feet Seam, 349. Five-Quarter Drift, Trimdon Colliery, Five-Quarter Seam, 2, 4, 5, 6, 9, 17, 27, 44, 46, 79, 84, 90, 92, 93, 99, 102, 103, 104, 105, 107, 109, 122, 130, 147, 149, 163, 167, 169, 171, 172, 173, 180, 181, 184, 192, 197, 199, 200, 201, 202, 207, 211, 212, 215, 224, 229, 250, 262, 264, 265, 268, 274, 288, 311, 314, 315, 316, 317, 318, 320, 322, 323, 348. Fleetgate Shaft, Settlingstones, 86.

Foot Coal Seam, 229, 261.

Four-Quarter Seam, 310.

Gunless River, 23, 24, 224.

Gardener's Houses Farm, 52.

Four-Feet Coal, 10.

Fryer's Letch, 68.

Ford, by the River Wear, Tudhoe, 326.

Four Lane Ends, Sherburn House, 95. Foundry Field, Stella, 216.

Furnace Pit, Shildon Lodge Colliery, 125.

Gate Pit, Stella Grand Lease Colliery,

Game's Field Boring, Thornley, 278.

Gateshead, East Ward, 130, 346, 349. Gateshead Fell, 103, 104.

Forster Pit, Seaton Delaval Colliery, 72. Fortune Pit, Tanfield Moor Colliery, 256.

Gateshead, South Ward, 28-31. Gee's Fence, Langley Moor Farm, 172. Gill Pit, Shield Row Colliery, 106. Gingling Gate, 345. Ginn Close, South Shields, 174, Gore Hall, Thornley, 272. Grand Lease Colliery, Stella, 195. Grand Lease Main Coal Seam, 197, 200, 207.

Great Limestone, 118, 186. Great Whin Sill, 87. Grey Field, Whitridge Farm, 65, 67. Grey Seam, 49, 69, 71, 75, 77, 78, 80, 81, 82, 84, 160.

Green Lane, St. Helen's Auckland, 25. Green's Gate, Shiremoor, 132.

Hand Coal Seam, 199, 202, 207, 214, 308. Hard Coal Seam, 106, 108, 244, 245, 255,

Hardy Coal Seam, 36. Harrison's Pasture, Shildon, 120. Hartley Stone Coal Seam, 58, 70, 76, 79,

Harvey Seam, 10, 17, 19, 20, 47, 129, 164, 167, 168, 275, 291, 292, 319, 321, 324, 325, 328, 329, 331, 333, 334.

Harvey's Low Main Seam, 104. Harvey's Main Coal Seam, 29. Hartley Main Coal Seam, 79, 83. Haswell, 162—166.

Hastings, Lord, 57. Hayton, 236, 237.

Haugh Ground, Throckley, 305.

Heath Field, Stella, 197. Heddon-on-the-Wall, 305. Hedgefield, 217, 219. Hedley Hope, 230.

Hill Pit, Throckley, 304. Hill Top Farm, Tow Law, 317.

Hepple Demesne, 235. Hetton, South, 162. Hexham, 228.

High Church, Tranwell, 317.

High Main Seam, 6, 7, 8, 26, 28, 48, 55, 57, 66, 69, 73, 75, 77, 78, 79, 81, 82, 83, 84, 86, 101, 103, 130, 132, 133, 134, 138, 139, 160, 183, 194, 263, 348. High Stublick Colliery, 225—229. Hobson Pit, Tanfield Moor Colliery, 262.

Hodge Seam, 202, 207, 210, 213, 214, 217, 219, 305, 308.

Hogger's Gate, Road leading from, 332. Holmside, 169.

Hopper's Draw Well, Silksworth, 150. Hopper's Farm House, Sherburn, 89.

Hughes' Field, Shildon, 121.

Hutton Seam, 44, 47, 92, 93, 94, 99, 107, 108, 109, 128, 130, 148, 150, 155, 163, 167, 169, 172, 181, 185, 193, 250, 262, 264, 275, 283, 291, 292, 319, 321, 323, 325, 329, 332, 334, 346.

Isabella Pit, Sheriff Hill Colliery, 100. Isabella Pit, Throckley Colliery, 308.

Jack Tar Pit, Scremerston Colliery, 34. Jane Pit, Thrislington Colliery, 291. Jew Limestone, 87. Johnson's Mrs., House, Scremerston, 40. Jordison's House, Sherburn House, 97. Josephine Pit, Stanley Colliery, 190.

King Pit, Sheriff Hill Colliery, 102. King Street, South Shields, 179. Kyo, 108, 109, 180, 181, 253—262.

Lady Durham Pit, Sherburn Colliery, 94. Lamb's Foundry Field, Stella, 216. Lamesley, 263—265. Lanchester Common, 169, 173. Lane Head Quarry, 186.

Langley, 170. Langley Moor Farm, 172.

Level Pit, Shield Row Colliery, 108.

Limestone, Dunn, 34. Limestone, Eight-Yard, 110, 111. Limestone, Great, 118.

Limestone, Jew, 87, Limestone, Little, 118. Limestone, Six-Yard, 110, 111. Limestone, Woodend, 34.

Lingey Close, 1.

Little Coal Seam, 103, 104, 107, 129, 250, 262, 317.

Little Five-quarter Pit, Thrislington, 290. Little Limestone, 118.

Lizzie Pit, South Pontop, 173. Loaning End Close, Seghill, 79. Londonderry, Marquis of, 41. Long Hole, Stanley, 189. Longridges Ground, Stella, 196.

Long Trail, Sheepwash, 89. Lord Eldon's Estate, Shildon, 121.

Low Buston, 143.

Low Coal Sill, 118.

Low Lights, North Shields, 351. Low Main Seam, 7, 9, 27, 30, 46, 49, 50, 52, 58, 59, 60, 61, 68, 70, 74, 85, 93, 94, 99, 102, 104, 105, 128, 130, 147, 150, 155, 161, 163, 169, 172, 181, 184, 185, 192, 262, 264, 265, 274, 283, 291, 292, 318, 321, 322, 323, 332, 333, 346, 348, 349.

Low Pasture Field, North Moor Farm,

Madio's Pasture, Throckley, 297.

322, 323, 328, 345.

Main Coal Pit, Throckley, 299.

Main Post, 183. Main Seam, 310.

Make-me-rich Field, Fryer's Letch, Seaton Delaval, 68.

Maudlin Seam, 44, 46, 92, 130, 155, 163, 169, 172, 184, 192, 250, 274, 323, Mare Close, Seghill, 76. Marshall's, Stella, 195. Mary Pit, South Medomsley Colliery, Mason Pit, Seaton Burn Colliery, 52. Medomsley, 166. Metal Coal Seam, 26, 103, 104, 130, 137, 184, 263, 348. Middle, Main, or Duke Seam, 310. Middridge, Lane Leading to, 267. Millstone Grit, 228. Moor Edge, South Moor Colliery, 169. Mountain Limestone, Section of, 40. Mountset, Tanfield Moor, 251. Mowbrey's Estate, East Śleekburn, 156. Musgrave, Sir G., Estate, Shildon, 121. Musgrave, Sir P., Estate of, St. Helens Auckland, 10. Mushroom Colliery, 25-27. Nafferton West Pasture, 120.

New Acres, South Moor Colliery, 169. New Brancepeth Colliery, 161. Newcastle and Carlisle Railway, 214, 216, 217. Newcastle-upon-Tyne, St. Lawrence Colliery, 25-27. New Grove, Sacriston Colliery, 5. New Pit, Tanfield Lea Colliery, 250. New Pit, Trimdon Grange Colliery, 323. New Pit, Shilbottle Colliery, 111. New Shildon Workshops, 121. New Sunniside Pit, Peases' West Collieries, 230. New Winning or A Pit, Stella Grand Lease Colliery, 197.

New Winning Pit, Stargate, Stella Grand Lease Colliery, 201. Nicholson's Banks, Throckley, 293. Nightingale Pit, St. Anthony's Colliery, 17. No. 1 Shaft, Silksworth Colliery, 151. 2 Staple, St. Helen's Auckland Colliery, 18.
No. 16 Pit, Scremerston Colliery, 36. North Bank Edge, Sheepwash, 88. North Bedburn, 270—272. North Moor Farm, 64. North Pit, Seaton Burn Colliery, 49. North Pit, Sherburn House Colliery, 99. North Pit, Shipcote Colliery, 130. North Pit, Shotton Colliery, 148. North Ryton, 205. North Well Field, Whitridge Farm, 61.

Oak Tree Pit, Stella Grand Lease Collieries, 196. Ogle, 33. Old Coal Pit, Thrislington Colliery, 290. Old Hall, Seghill, 75. Old Shildon, 122. liery, 217.
Old Winning, Thornley-on-Tyne, 277.
Orchard Ford, Sheepwash, 88.
Otterburn, 141.

Parrot Coal, 47.
Path Head, Stella, 211, 212

Old Water Pit, Stella Grand Lease Col-

Parrot Coal, 47.
Path Head, Stella, 211, 212.
Pea Pit, Shield Row Colliery, 108.
Peases' West, New Sunniside Pit, 230.
Pit Field, West Sleekburn, 158.
Plessy Seam, 74.
Polly Pit, Shiremoor, 136.
Princess Seam, 310.
Prospect Hill, Shiremoor, 135.
Purvess's Houses, Thornley-on-Tyne, 279.

Quaking House Pit, Shield Row Colliery, 109. Quarry Close, South Shields, 174. Quarry Pit, Throckley, 301. Quarry, Seghill, 79.

Raw's Pasture, Evenwood, 224.
Restoration Pit, St. Anthony's Colliery, 8.
River Blyth, 156.
River Derwent, 118.
River Gaunless, 224.
Robie's Coal, 35.
Rothbury, 235.
Royal Shildon Wallsend Colliery, 123.
Ruler Coal Seam, 198, 200, 201, 207, 208, 214.
Ryton, 203, 205, 206, 208, 209, 213, 214, 216 219, 220.
Ryton, Stargate New Winning, 201.

Sacriston Colliery, 1—5.
St. Anthony's Colliery, 6—9.
St. Helen's Auckland Colliery, 10—25. St. Lawrence Colliery, 25—27. Saltwellside, 28—31. Saltwick, 32—34. Sawmill, Swarland Hall, 235. Scremerston Colliery, 34—41. Scremerston Main Coal Seam, 36, 39, 40. Scremerston Station, 40. Seaham Colliery, 41-47. Seaton Burn Colliery, 48-52. Seaton. (See Seaham.) Seaton Delaval Colliery, 53-74. Seghill Colliery, 74—86. Settlingstones, 86, 87. Seventh Pit, East Stanley Colliery, 191-Seventy-Fathoms Coal, 6, 178. Shadforth Beck, 97, 98. Sheepwash, 87—89. Sherburn, 89—100. Sherburnhill Colliery, 93. Sherburn House, 95—100. Sherburn House Pit, 99, 100. Sheriff Hill, 100—105. Shibdon, 105.

Shield Row, 106—109.

Shield Row Seam, 107, 109, 169, 171, 172, 173, 180, 181, 192, 243, 244, 245, 249, 251, 261. Shilbottle Colliery, 110-117. Shilbottle Seam, 110, 112. Shilburnhaugh, 117. Shilburnhaugh Seam, 117. Shildon, 118. Shildon Colliery, West Pit, 269. Shildon Engine Pit, 122. Shildon Lodge Colliery, 124. Shildon, Royal Wallsend Colliery, 123. Shildon Works, 121. Shincliffe Colliery, 127—130. Shipcote Colliery, 130. Shiremoor Colliery, 131-140. Shittleheugh, 141. Shop Pit, Team Colliery, 265. Shoreswood Colliery, 141. Shortridge, 143—145.
Shortridge House, 143.
Shotley High-Quarter, 118—126.
Shotton Colliery, 145—150. Silksworth Colliery, 150—155. Simonside, 155. Six-Quarter Seam, 7, 9, 26, 102, 104, 105, 130, 184, 202, 264, 265, 348. Six-Yard Limestone, 110, 111. Sleekburn, 157—161. Sleetburn Colliery, 161. Smith's Shop, Stella, 213. Smith's Shop, Throckley, 296. Smoke Staple, Shilbottle Colliery, 110. Soho, Shildon, 124. Soppit Colliery, 173. Sore field, Whitridge Farm, 62, 66. South Dodderish Field, Seghill, 82. South Hetton Colliery, 162-166. South Dean, South Shields, 175. South Medomsley Colliery, 166-South Moor Colliery, 169—172. South Moor Staple, 170. South Pontop Colliery, 173. South Shields, 174—179. South Tanfield Colliery, 180. South Ward, Gateshead, 28—31. Spanish Battery, Tynemouth, 349. Spennymoor, 182. Spearmans Ground, Tanfield Lea, 240, 241, 242, 243. Spittle, 40. Splint Seam, 296, 306.

Springwell Colliery, 183—185.
Springwood, Tanfield, 243, 244, 245, 246.
Sprouston, 185.
Stannington, 49, 193, 195.
Stanhopeburn, 186.
Stanley, 186—193.
Stargate House, 216.
Stargate New Winning Pit, Stella Grand Lease Colliery, 201, 213.
Stead's Quarry, 35.

Stead's Quarry, 35. Stella, 195—220. Stella Foundry, 204.

Stella Freehold, 204, 206. Stella Freehold Top Seam, 203. Stella Grand Lease Colliery, 195-220. Stella Park Wall, 212. Stella Staith, 213. Stephenson's House, Throckley, 295, 306. Stickley, 221. Stobswood Colliery, 222. Stockton and Darlington Railway Company, 124. Stockton and Darlington Railway, Sinking Pit near, 267. Street Pit, Team Colliery, 263. Stone Bridge, 323.

Stone Coal Seam, 59, 60, 103, 104, 130, 137, 199, 200, 202, 215, 219, 229, 264, 308, 348. Stony Coal Seam, 36, 39. Storey's House, Shiremoor, 140. Storey Lodge Colliery, 224. Stublick Colliery, 225—229. Success Pit, Seghill Colliery, 86. Success 11, Segmin Contery, 86.
Sunniside Colliery, 229—231.
Surtees Colliery, Old Shildon, 122.
Swallow Dene Whin Dyke, 61.
Swarland, 231—235.
Swarland Hall, 231.

Swindon Colliery, 235.

Thrislington Hall, 282.

Throckley Banks, 298.

Talkin Colliery, 236—238.
Tanfield, 106—108.
Tanfield Lea Colliery, 240—250.
Tanfield Leigh, Fell Gate, 259.
Tanfield Moor Colliery, 251—262.
Tanfield Moor Edge, 255.
Tanfield Moor Edge, 255.
Tanfield Moor Edge, 255.
Tanfield Moor Edge Colliery, 256.
Team Colliery, 263—265.
Teamt's House, Tanfield Lea, 246.
Thickley, 267—270.
Thistle Field, Whitridge Farm, 63.
Thistle Field, Whitridge Farm, 63.
Thistle Fit, Throckley, 300.
Thornley Colliery, 272—276.
Thornley (near Tow Law), 276.
Thornley (near Winlaton), 277—280.
Thornley (near Winlaton), 277—280.
Thornton, 281, 282.
Thornton Moor, 281.
Three-Quarter Coal, 37, 90, 92, 93, 141, 147, 149, 162, 167, 168, 199, 202, 207, 209, 210, 213, 220, 229, 274, 304, 306, 311, 317, 318, 320, 322.
Togston Colliery, 310—312.
Togston Colliery, 310—312.
Togston Low Hall Farm, 311.
Top Coal Seam, 229.
Top or Princess Seam, 310.
Tow Law 312—317.
Tow Law Common, 313.
Tow Law Hill, 312, 313.
Tow Law Pit, 314.
Towneley Colliery, Emma Pit, 206, 208, 209, 210, 213.
Thrislington, 282—292.

Throckley Coal Company, 306. Throckley Colliery, 293-309. Throckley Fell, 299.
Throckley Mill, 299.
Thropton, 309.
Thropton West Field, Throckley, 309. Tilly Coal Seam, 198, 200, 202, 211, 214, 219, 308. Towneley, Col., Property of, 214, 217. Towneley Main. (See Towneley Seam.)
Towneley Pit, Stella Grand Lease Colliery, 203. Towneley Seam, 168, 200, 202, 207, 215, 217, 219. Towneley, Stella and Grand Lease Colliery, 195—220. Tranwell, 317. Trimdon Colliery, 318—321. Trimdon Grange Colliery, 322—324. Trimdon Staple, 318. Tudhoe Colliery, 324—332. Tudhoe Grange, 331. Turnip Field, near Throckley, 293, 294. Tursdale Colliery, 332—336. Twizell Hall, 337, 340. Twizell Colliery, 337—346. Two-Quarter Seam, 104. Tynemouth, 349-354. Tyne Main Colliery, 346-349.

Union Pit, Seaham Colliery, 42. Upcast Shaft, Sherburn Colliery, 94. Upper Main Coal Seam, 104, 106. Ushaw College, 161. Usworth, 183.

Venture Pit, St. Anthony's Colliery, 9.

Wansbeck River, 87.
Warkworth, 14.
Watergate Royalty, 271, 272.
Waterhouse, 124.
Water Pit, Stella Grand Lease Colliery, 217.
Water Wheel, Stella, 218.
Watson's Well, Weeks', 88.

Weeks' Water Wheel, Stella, 218. Weetslade, 48. Well Field, Whitridge, 81. Wellhaugh, 117. West Awards, Throckley, 298. West Borehole, Throckley, 294. West Brenkley Estate, 50, 51. Wester Coal Seam, 38. Western Pit, Soppit Colliery, 173. West Frederick Shaft, Settlingstones, 86. West Haugh Field, Seghill, 76. Westoe, 155, 174—179. West Pit, Sherburn Hill Colliery, 93. West Pit, Shildon Colliery, 269. West Pit, Tudhoe Colliery, 328. West Quarter, 225—229. West Sleekburn, 158. West Sleekburn Pit, 159—161. West Thornton, 281, 282. Whickham Stone Coal Seam, 29. Whickhope Burn, 117.
Whinney Haugh, Shilbottle, 88.
Whinney Hill, Thrislington, 289.
Whin Sill, 87. Whitworth, 182. Whitworth Coal Seam, 327. Whiteley Head, 253. Whitridge Farm, 61, 62, 63, 65, 66, 67, Wolsingham, 276, 312, 317. Woodend Limestone, 34. Wood Head, Seaton Delaval. 54. Wood's Field, Shildon, 119. Woolley Farm House, 190. Workhouse, Tynemouth, 350. William Pit, Tyne Main Colliery, 347. Winlaton, 105, 277—280. Winter's Shaft, Settlingstones, 87. Witton Gilbert, 1-5.

Yard or Bottom Seam, 310, 311. Yard Seam, 8, 10, 17, 19, 20, 49, 58, 68, 70, 72, 73, 75, 77, 78, 80, 82, 84, 101, 103, 104, 122, 130, 157, 160, 184, 191, 202, 228, 264, 348.

## AN ACCOUNT OF THE STRATA

OF

# NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

U-Z. Sund 1-238

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS.

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## AN ACCOUNT OF THE STRATA

OF

## NORTHUMBERLAND AND DURHAM

AS PROVED BY

## BORINGS AND SINKINGS.

## No. 2,077.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 13′ 40″, Long. 1° 36′ 37″.

Account of Strata bored through near Ulgham, about 100 yards down the Linton Lane on the East side of the Newcastle and Berwick Railway. August, 1854.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0				_ •.		Brought forward 6 1 8 7 0 3
Brown clay	0	3	0				
Sand, with water		1					Grey post 1 4 0 Grey metal 1 5 0
Brown clay, with							Black metal 0 0 4
stones	0	3	6				Grey post 2 2 4
Sand, with water	0	2	0				Black metal 0 0 3
Strong blue clay, with							Soft dark grey metal 0 0 5
stones	<b>2</b>		0				COAL 0 0 8
Soft grey metal Black metal, mixed	0	2	9				12 2 8
with stones	0	2	0				Grey metal 0 4 6
COAL, bored soft	0	1	0	5	1	9	Strong white post, with water 1 5 4
Soft grey metal	1	1	1	·	~	٠	Soft black shale 0 0 5
COAL	_	3	5	1	4	6	COAL, coarse and splinty 0 1 3
Grey metal White post, with	1	4	10	-	-	Ü	2 5 6
Transfer in the same	4	2	10				
Carried forward	6	1	8	7	0	3	Carried forward 22 2 5
							A

# No. 2,077.—ULGHAM.—Continued.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 22 2 5	
Black metal, mixed { 0 0 7	Black stone, with a little coal 0 1 10
with $coal$ $\begin{pmatrix} 0 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$	Strong grey metal 1 0 4
Grey metal 0 4 5	Strong white post,
Strong white post,	mixed with whin 1 0 4
with water and	Black stone, mixed
whin girdles 4 1 2	with coal 0 0 7
Grey metal, with post	Light grey metal 1 5 3
girdie	Strong white post,
Black metal 0 0 2	with water 1 4 10
COAL 0 8	Black metal, mixed
Black metal,	with coal 0 2 3
mixed with	21 2 0
coal 1 2	Soft grey metal 0 0 4
0 1 10	Soft black metal 0 0 11
	Strong grey metal,
Grey metal 0 1 10	with post girdles 1 0 11
Strong white post,	Black metal, mixed
mixed with whin 4 1 2	with coal 0 0 9
Grey metal 4 2 10	Ft. In.
White post, mixed with metal partings 7 0 8	COAL 0 4
With meets partings	Soft grey metal 0 7
OOME, combo spane,	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Strong grey metal 3 1 6 Black metal, mixed	
with coal 0 1 3	Grey metal 0 0 11
	9 Black metal, mixed
Grey metal 1 2 1	with coal 0 0 6 Grey metal thill 0 1 6
Hard white post 0 4 6	Grey meetiz
Grev metal 1 3 2	Strong white post, with metal partings 4 3 7
Black metal 0 0 6	
COAL, good 0 1 0	Phok motel 0 0 5
9 9	Thill, grey metal 0 1 8.
Grey metal 0 1 8	Strong grey metal 1 5 0
White post, mixed	Black metal, mixed
with metal partings 3 5 10	with coal 0 0 9
Whin 0 2 8 Grey post 2 1 2	Grey metal 0 0 3
Grey Prove	Ft. In.
2	COAL, good 2 1
Grey post 0 5 4 COAL 0 0 8	COAL, splinty,
8 2	with slate
Light grey thill 0 2 2	partings 1 0
Black metal, mixed	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
with coal 0 0 10	8 1 10
Grey metal, with post	
girdles 3 4 2	Dark metal 0 1 5
Black metal 0 1 8	Strong grey metal
Light grey metal	stone 1 3 0
stone 2 0 10	White post, with a
Ironstone girdle 0 0 3	large feeder of water 0 2 10
Grey metal 3 1 3 Black metal 1 1 11	water 0 2 10
Black metal 1 1 11	2 1 0
white post, with me-	
tal partings 3 3 6	
Carried forward 14 4 7 60 5	2 Total 94 2 10
Callied for ward 13 2 1 00 0	

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 2,078.—ULGHAM.

#### TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat.

, Long.

Account of the Boring in Crawdon (or Crowden) Hill Farm, on the low side of the North-Eastern Railway, and close to the South Boundary adjoining Old Moor Royalty. May 3rd, 1873.

Soil Fs. Ft. In. Fs. Ft. In. 0 1 6	Brought forward Fs. Ft. In. Fs. Ft. In. 31 4 9
Sand and bed of clay       0       3       0         Blue stony clay        0       4       0         Sand, with water        1       0       0         Blue stony clay        1       2       6         Dry sand, mixed with clay        2       0       0         Brown strong clay        5       4       6	Grey metal and metal stone 2 2 3 Whin 0 0 6 Metal stone 0 5 10 Grey post 0 3 6 COAL, foul 0 1 2
Dark metal 0 4 0	<del></del> 4 1 3
COAL 0 8 Grey metal 1 0 COAL 1 4	Metal       and       metal         stone        2       4       0         Grey post        6       3       0         Grey metal stone        1       0       6         Grey post        0       3       2
Grey metal 0 5 0 Grey metal stone 2 5 6 Grey post, with metal partings 1 0 0 Dark metal 0 1 0 COAL 0 2 2 5 1 8	COAL 1 4  Metal band 0 9  COAL 0 5  Grey metal 1 1  COAL, with white scares
Grey metal and metal stone 3 5 6 . Ft. In.	and coarse the first 6 inches 1 9 0 5 4
COAL 2 0 COAL, soft	11 4 0
foul 0 10 0 2 10 4 2 4	Into grey metal 1 0 0
Grey metal 0 4 6 Grey post 7 2 0 Grey metal 1 1 3 COAL, foul 0 0 6	
9 2 3	
Carried forward 31 4 9	Tota 48 4 0

### No. 2,079.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.  $55^{\circ}$  13′ 39″, Long.  $1^{\circ}$  36′ 19″.

Section of Strata at Ulgham or Ferney Beds Colliery.

Approximate surface level 106 feet above sea (Ordnance datum).

Blue clay White metal Black metal Fire clay COAL White and blue post girdles	1 3 0 1 2 0 0 3 0 0 1 4 	Brought forward 4 3 0 7 5 4  Top Seam— Ft. In. 4 3 0 7 5 4  Top Seam— Ft. In. 5 5 6  COAL 0 5  Black metal 0 5  COAL 2 0  ——————————————————————————————————
		Fire clay 0 5 0
Carried forward	4 3 0 7 5 4	Total <u>*15 3 3</u>

<sup>\*</sup> Approximate sea level  $12\frac{3}{4}$  feet below this.

## No. 2,080.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored at Urpeth Burn near the Leather Mill. December 13th, 1742.

		Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and brown ramble 0	1 6		Brought forward 8 5 2 1 4 10
Grey post girdles 0	3 0		Grey metal stone 2 1 6
Grey metal, with			Ft. In.
brown scames 0	4 0		COAL 1 7
Black metal stone 0	2 0		Grey metal 0 2
COAL, with water 0	0 4		COAL, with
		1 4 10	scare bands 1 0
Black metal stone 0	4 0		Black slaty me-
White post, with water 4			tal 0 7
Grey post, with coal			COAL 1 3
pipes 1	0 0		Black slaty me-
White post 0	4 0		tal, scared
Whin 0	1 0		with coal 0 6
White post, with water 2	0 0		0 5 1
Grey metal 0	2 2		11 5 9
Carried forward 8	5 2	1 4 10	Carried forward 13 4 7

## No. 2,080.—URPETH.—CONTINUED.

Brought forward				Fs. 13			Brought forward 2 1 7 18 1 3
White post, with me-	1	0	0				Strong open grey post 0 3 0 White and grey scamy
tal partings and	0	3	0				post 1 3 0 Grey metal stone, with
Black and grey metal	2	ĭ	ő				post girdles and
Ft. In.							water 2 1 6
COAL 1 6							Grey and black metal 0 0 8
COAL, slaty 0 3							COAL 3 10
Hard black							Brass coal or
slaty stone,							lump 0 2 COAL 0 5
mixed with							
coal 0 6 COAL, foul 0 5							COAL, slaty foul 1 2
	0	4	8				Black metal,
				4	2	8	scared with
Grey metal stone	0	1	7				coal 0 6
Grey and black metal							1 0 1
stone, with post gir- dles and water	2	0	0				Grey metal 7 3 10 0 1 2
Carried forward	2	1	7	18	1	3	Total <u>26 0 3</u>

## No. 2,081.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

#### Bored on the Fell, 700 yards North of Urpeth Ford. October, 1744.

Soil and sandy clay 0 3 9  Soft clay and sand, with water 1 5 0  Sand 3 0 0  Sand, with water 0 0 9  Stony clay 4 3 0  Grey metal 0 2 0	Brought forward 10 2 6  COAL 4 3  COAL foul 0 3  Grey post 0 4 6  Grey metal, with post girdles and set away the water 3 5 0
	the water 3 5 0
Carried forward 10 2 6	Carried forward 3 5 4 11 1 0

#### No. 2,081.—URPETH.—CONTINUED.

Brought forward Brown scamy post, with water A soft brown and grey parting Grey metal COAL	3	5 0	4 0 3	11	1	In. 0	Brought forward 5 4 6 29 4 3 Strong white post 1 0 0 Grey metal, with post girdles 2 0 0 Grey metal, with girdles or catheads 2 1 6  Ft. In.  COAL 4 4
Grey metal Grey and white post Grey metal stone COAL	0	3	0	1	4	5	COAL, foul, or coal mixed with brass 0 3 0 4 7 11 4 7
Grey metal Grey and brown post Grey and brown scamy post, with water Grey and brown scamy post Strong white post, mixed with whin	2 1 3	1 2 0 1 4	0 0				Grey metal 0 2 3  Black metal, scared  with coal 0 1 6  Grey metal and post girdles 3 0 0  Blue and black metal, with girdles or cat- heads 0 4 10
	1	0	0	9	3	11	COAL 4 4 COAL, foul 0 4 0 4 11 Blue metal 0 1 0
A whin mixture White post, with whin and some small scamy partings Carried forward	2		0	29	4	3	Total 46 5 4

## No. 2,082.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 87 of Ordnance Map. Lat.

, Long.

Bored at Urpeth in the West Corner of Mr. Lynn's Easternmost Meadow Field. June 20th, 1768.

Soil and stony clay			In. Fs. Ft. In.	Brought forward				Fs. Ft.	In.
Rambly metal, with a mixture of clay				Brown and blue scamy					
mixture of etay	-	•		metal, with girdles and catheads	7	2	0		
Carried forward	3	4	0	Carried forward	11	0	0		

## No. 2,082.—URPETH.—CONTINUED.

D				Fs.	Ft.	In.	Promolet formers	Fs.	Ft.	In.	Fs.		
Brought forward			6				Brought forward	7	Ţ	10	33	2	0
Blue grey metal			0				An open gullet, with	^		10			
Grey post			0				water	0	1				
Blue grey metal	4	4	U				Strong white post	2	3	0			
Five-Quarter Seam-							COAL		0	4			
Ft. In.							Strong white post	0	0	_			
COAL 0 3							COAL, or coal pipe	U	0	3			
Brown and grey										_	10	1	6
scamy post 1 8							G/ 11/	_	_	_			
COAL 1 0							Strong white post	0	3	0			
Grey and brown							Grey metal stone, with		_	_			
coal pipy post 0 11							water	4	0	0			
	0	3	10				Strong grey metal stone and strong						
		_		18	2	4	stone and strong	_		_			
				10	_	-1	girdles	3	3	0			
Grey and brown post	0	2	0				White post, with water	3	4	3			,
Soft blue grey and	•	_	-				Low Main Seam-						
brown metal	0	3	0						٠				
Grey scamy post, with	Ŭ	Ů					COAL 2 9						
water	0	4	6										
Grey metal and metal	·	-					Blue slaty						
stone, with girdles							metal 0 1						
or catheads	4	2	6				COAL, with						
Black metal	ō		6				small scare						
COAL-Main Coal	v	0	·				bands near						
Seam	0	4	6				the top 1 5						
Seam	v		U		_	_		0	4	3			
	. —			6	5	0					12	2	6
Gray matal stans	0	1	6								12	_	U
Grey metal stone	ő	3	0				Grey metal	0	1	0			
Grey metal	U	9	U			•	Grey metal stone and	-		-			
Grey thready metal	2	0	0				post girdle	1	2	0			
stone, with water Black and blue metal		4	6				Strong white post,						
Y T Y A	ő		ő				with water	4	3	0			
	0	i	6				Blue grey metal, with						
White post Whin		ō	7				girdles or lumps	0	5	0			
Grey metal stone	2	ő	9				Soft black metal	0	0	4			
COAL	õ		3				Tutton Somm						
OOAL	v	U	·	_	_	_	Hutton Seam— Ft. In.						
				6	1	1	COAL, with						
G	^	^	9				sulphur or water 4 3						
Grey metal		0 4	$\frac{3}{0}$				water 4 3						
White and grey post	0	0	9				small scare						
Grey metal stone	1	U	9				bands 0 7						
COAL — Maudlin	0	0	7				bands o	_					
· Seam	U	U	•					0	4	10			
	_			1	5	7					7	4	<b>2</b>
Cours on stul	^	-									·	_	
Grey metal	-	1					Soft blue grey metal	0	0	7			
Grey metal stone		4	6				Grey metal stone	0	0	9			
Whin	0		10								0	1	4.
Grey post	0										·	•	~
Whin	0	0	6										
Strong white post,													
with some small													
cashy partings with	_	_	_										
water	5	0	0										
											_		
Carried forward	7	7	10	33	2	0	Total				63	5	6
Carried forward	1	1	10	99	4	U	1			=	_		

#### No. 2,083.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

An Account of the Strata sunk through in the New Pit at Urpeth Colliery, about 700 yards North of the Engine Pit, near the Beck, by W. Coulson. July 1st, 1835.

					_		1
Soil		Ft.	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 6 3 2 29 5 1
Brown sandy clay	-	ō	-				O .
Quicksand, with water	$\hat{2}$						COAL, foul, mixed with metal 0 2 7
Soft swelling blue clay		4					
Strong blue clay, with	•						6 5
sandy partings	5	4	<b>2</b>				C
Soft grey metal			0				Grey metal 1 1 0
Strong white post	3	1	0				Strong white post,
COAL, rusty-Five-							with water (200 gallons per minute) 9 0 0
	0	3	<b>2</b>				COAL, foul—Low
v				14	4	<b>2</b>	Main Seam 0 2 10
				11	_	_	
Soft grey metal, with							10 3 1
iron girdles near the	10	^	^				
bottom		U	U				Grey metal, with post
COAL — Main Coal		4	٥				girdles and water 4 0 0
Seam	U						Strong white post,
				10	4	8	with water and me-
Grey metal and metal							tal partings; water
stone, with post							fell from above 6 0 2
	3	3	8				Grey metal 1 1 0
giidles COAL — Maudlin	-						Hutton Seam—
Seam	_	1	4				Ft. In
				3	5	0	COAL, good 4 8
				U	·	U	COAL, bot-
Grey post, with water	0	3	9				tom 0 8
COAL							0 5 4
				0	4	1	
				U		-	12 0
Grev metal	0	1	6				
White post, with water							
(150 gallons per							
minute)		1	8				
•							
Carried forward	6	3	2	29	5	11	Total 50 4
Juliou Ioi Huiu	3	•	_		•		Total 59 4

### No. 2,084.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  52' 54'', Long.  $1^{\circ}$  36' 12''.

A Section of Strata from the High Main Coal to the Hutton Seam in the D Pit, Urpeth Colliery.

Strata from surface		Ft. 5	In. 6	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 45	Ft. 4	
COAL - Five-Quar-							Dark brown thill	0	2	0		_	2
ter Seam	0	3	6				White post	1	3	10			
				26	3	0	Blue metal	0	3	0			
~. ·				20	0	U	Strong white post,						
Strata	8	3	9				with water (60 gal-						
COAL-Main Coal		_					lons per minute)		1	1			
Seam	0	5	1		_	•	Soft blue metal	0	1	0			
			_	9	z	10	Low Main Seam (?)—						
Dark brown thill	1	0	2				Ft. In.						
Black stone	0	1					Black stone 0 2						
Grey metal	0		0				COAL ·2 0	_	_	_			
Black stone	0	3	5				-	O	<b>2</b>	z	-	-	-
Dark blue metal, mixed							W1.24 - 41.211	7		70	7	1	]
with ironstone gir-		_	_				White thill Blue metal	$rac{1}{2}$		10 5			
dles	0	3	5				1	1	_	1			
Black stone	<sup>'</sup> 0	5	6				Dark brown post Strong blue metal,	1	4	1			
Light blue metal,	10	3	10				with brown post						
mixed with iron-		0	4			-*	girdles	1	4.	10			
stone balls	, -	-	_				Strong white post,	-	-30	10			
COAL, with a little	^	^	c				mixed with coal						
water	0	.0	6	6	4	0	pipes	4.	0	4			
Dark brown thill	0	1	4	O	4	U	COAL (supposed		·	-			
73 ( 1 73	_		10	1			Brass Thill Seam)	0	3	2			
Brown post girdle Blue metal	_	1	6	2							11	1	8
Brown whin	_	î					Black stone	0	<b>2</b>	4			
Grey metal	-	1					Blue metal	0	3	11			
White post	ō	ō					White post, mixed						
Blue metal	ŏ		8				with metal partings	5	3	7			
Dark brown metal	Ō	2	3				Post (this contains						
							the water)		2				
Supposed Maudlin							Blue metal	0	4	7			
Seam Ft. In Black stone,	l.						Hutton Seam- Ft. In.						
1 1 0 0							COAL 4 9						
COAL 1 5							COAL, bot-						
Black stone,							tom 1 4	_	_	_			
1								1	0	1	_		
slaty 0 7			•								8	4	9
	0	2	6				Brown thill	0	1	0			
				3	0	$6\frac{1}{2}$	Strong white post	1	4	4	-	=	4
						-					1	5	4
0		3		45	1	41					71	5	$2\frac{1}{2}$
Carried for	war	a		40	4	42	1			=	14	<u> </u>	42

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 2,085.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of No. 1 Boring at Low Urpeth, near Chester-le-Street, in the North-West Corner of a Field, and 220 yards South and 67 yards East of Gamekeeper's Cottage. Begun March 19th and finished May 11th, 1844.

Approximate surface level

feet above sea (Ordnance datum).

C-:1	-	-		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 0 5 7 19 0 0
Sandy gravel	0	5	0				Coal pipe 0 0 1
Blue leafy clay, very							Sandy gravel 0 2 2
pure near the top,							Loamy sand, mixed
with thin beds of							with beds of sandy
sand near the bot-							gravel 1 3 11
tom	10	3	0				2 5 9
Sand, mixed with							
small coal	oʻ	3	0				Indurated sand, mixed
Blue stony clay	Ô	2	9				with gravel 1 1 3
Sand, with water	•	_	•				Sand, with water 0 3 6
which rose 4 fms.							Stony clay 0 0 10 Broken post 0 0 5
up the hole imme-							Broken post 0 0 5
	Ω	Δ	3				2 0 0
diately		0					Ironstone balls (four
Stony clay	0	1	0				shifts of four men
Leafy clay, mixed with	0	-					
sand	0	1	3				each; the metal
Sand, with water (on							pipes rest on this
Friday, March 29th,							stone) 0 0 5
the water was $7\frac{1}{2}$							Grey metal stone, with
fms. from surface,							ironstone balls and
and on Monday,							water 0 4 6
about 2 p.m., ran							COAL, foul 0 0 10
over top of boxes	0	4	9				0 5 9
Sand, much mixed							Grey metal stone 0 5 2
with small coal	0	0	9				COAL, with water 0 0 10
Sand	_	2	9				1 0 0
	ō		6				Grey metal stone 0 2 0
Stony clay		1	6				White and grey post 2 5 2
r a '1	ō	4	6				Grey metal stone 1 4 2
Leary sand	U	4	-				Black metal 0 0 6
				19	0	0	Hutton Seam— Ft. In.
Brown stony clay	0	0	5				
Black metal or seggar	U	U	J				COAL, good 4 8
olon.	0	0	0				Band 0 01
	0	0	9				COAL, coarse $0.5\frac{1}{2}$
Rambly post, tumbler	_						0 5 2
stone	0	0	6				<b>5 5</b> 0
Bluish loamy clay,							Thill 0 0 5
with beds of sand	0	3	3				Grey metal 0 1 2
Sandy gravel	0	0	8				Grey post 0 1 8
							0 3 3
			_	_			
Carried forward	0	5	7	10	0	0	Total 32 1 9
carred for ward	U	U	•	10	U	U	100a1 <u>52 1 5</u>

#### No. 2,086.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Low Main Drift, Urpeth Colliery, from the Low Main to the Hutton Seam. May 12th, 1845.

Approximate surface level feet above sea (Ordnance datum).

	$ \begin{array}{c} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} $	1 4 5 2 1 4	$ \begin{array}{c} 0 \\ 0 \\ - \\ 0 \\ 2 \\ 4 \\ 6 \\ 0 \end{array} $	Fs. 1	Ft.	In. 0	Brought forward 3 2 0 1 1 0 Strong grey post, with strong partings 1 1 0 Blue metal 0 1 6 Grey post 0 5 6 Grey metal 1 1 0  COAL—Hutton Seam 0 1 0
Carried forward	3	2	0	1	1	0	Total <u>8 1 0</u>

### No. 2,087.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at the Busty Bank Air Shaft at Urpeth Colliery. Finished October 28th, 1871.

Soil         0       1       0         Brown clay and sand       3       0       0         Brown sandstone        4       0       0         Blue metal        1       0       0	Brought forward 8 1 0  COAL 3 6 Seggar band 0 6 COAL, coarse 1 6
Carried forward 8 1 0	Carried forward 9 0 6

## No. 2,087.—URPETH.—Continued.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft.	In.
Brought forward				9	0	6	Brought forward 10 0 6 52 2	6
Hard seggar	0	3	0				Low Main Seam-	
Blue metal	1	1	0				Ft. In.	
Grey metal	0	2	0				COAL 3 0	
Black shale	ŏ	ō	6				Band 1 3	
	ŏ	2	ŏ				0041 0.10	
Seggar								
Blue metal	6	5	0				0 5 1	_
COAL	0	1	8				10 5	7
				9	3	2	Strong posty seggar 0 3 0	
-	_	_		•			0 1 0 00	
Seggar	0	<b>2</b>	4					
Blue metal	3	3	0				Strong white post,	
Grey metal	0	3	6				mixed with whin 1 0 0	
Strong jointy grey							Post girdles, with blue	
	1	2	0				metal partings 4 3 6	
	î	ī	ŏ				Blue metal 0 3 6	
Strong grey metal	_		6					
COAL—5/4 Seam	0	3	O				Hutton Seam- Ft. In.	
			_	7	3	4	COAL 4 4	
a	_		0				COAL, bot-	
Seggar	0	3	0				tom, coarse 1 2	
Grey jointy post	1	5	0				0 5 6	
Strong grey metal	4	0	0				8 5	6
Blue metal	0	3	0					•
Grey post girdle	0	1	0				Strong post thill 0 3 2	
Blue metal	1	4	0				Strong grey post 3 0 9	
COAL - Main Coal	•	-	•				Black metal 0 0 2	
	Λ	E	Δ				COAL 0 1 4	
Seam	0	5	0				3 5	5
				9	3	0		0
a	^		^				Black metal 0 0 2	
Seggar	0	2	0				Blue metal, with iron	
Strong grey metal	1	4	0				boulders 2 5 8	
Black stone	0	5	0				Hard grey post 1 2 4	
Strong grey metal,							Grey metal, with post	
posty	3	4	0					
CÔAL	0	0	8					
	•	•	0	_	_	_	COAL 009	
				6	3	8	6 4	6
White post	1	1	0				Strong post seggar 0 4 6	
	ō	5					01 00 -	
Grey post	U	9	6					
Strong white post	_	_	_				Blue metal, with iron-	
girdle	0	3	0				stone girdles 3 4 0	
COAL	0	1	0				COAL 0 0 6	
				2	4	6	<del></del> 8 5	3
				_	-16		Seggar thill 0 2 5	
Black thill stone	0	2	6				000	
Post girdle	0	1	4				Grey post 0 3 5	
White post, with blue							Blue metal 0 3 10	
metal partings	2	0	0				COAL and black	
	4	ŏ	_				stone 0 0 10	
Strong white post			6				1 4	6
Blue metal	0	2	0					
COAL — Maudlin	٠.		_				Posty seggar 0 1 6	
$Seam \dots \dots$	0	<b>2</b>	0				Mild grey metal 1 1 1	
• .				7	2	4	Strong white post 1 0 6	
				•	4	4	Blue metal 0 0 9	
Strong posty seggar	0	4	0				COAL 0 1 9	
Strong blue metal	3	0	0					_
Soft blue metal	1	4	6				2 5	7
Strong white post	4	4	ŏ				Seggar clay thill 0 1 10	
Post	æ		9					
							Strong seggar and iron	
							balls 023	
Carried forward	10	0	6	52	2	6	Consid formed 0 4 1 00 9	10
varred forward	10	U	υ	04	4	6	Carried forward 0 4 1 96 2	τΛ

#### No. 2,087.—URPETH.—CONTINUED.

Brought forward		Ft.	In. 1		Ft.	In. 10	Brought forward Fs. Ft. In. Fs. Ft. In. Brought forward
Grey metal	2	0		00	_	10	Seggar 0 1 10
Grey post and metal							Seggar, with iron
partings	2	2	4				boulders 0 0 10
COAL	0	0	3	5	1	0	COAL 0 0 5
Grey post, mixed with				o	1	U	Posty seggar 0 3 0
whin	0	1	3				Grev — 3 1 0
Mild post	1	14	2				Grey post 1 1 2
COAL and black		_					Grey metal 0 1 2
stone	0	1	0	2	0	5	Bustybank Seam—
				2	U	9	Ft. In.
Strong seggar thill	0	3	5 6				COAL 2 2 Seggar 1 4
Grey post Grey metal	$\frac{1}{0}$	$\frac{2}{4}$	0				Seggar 1 4 COAL 0 5
•	U	10	Ü				Shale 0 4
Towneley Seam - Ft. In.							COAL 2 0
COAL 1 0							1 0 3
Band 0 1							Strong posty seggar 0 2 0
COAL 1 7 Band 0 2							Strong posty seggar 0 2 0 Grey metal and post
Band 0 2 CCAL 0 3							girdles 0 2 10
	0	3	1				Grey post 2 2 2
				3	1	0	3 1 0
				_			
Carried forward				106	5	3	Total <u>116 3 11</u>

#### No. 2,088.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat. Long.

Boring on Ushaw Moor, about 150 yards North from Mr. Hobson's Hind's.

March 26th, 1755.

feet above sea (Ordnance datum). Approximate surface level Fs. Ft. In. Fs. Ft. In. 0 3 0 Soil ... 12 0 Clay, with water 9 ... 5 Grey and white metal 0 ... ... ... 6 Grey and white post... ... 0 3 ... ... Grey metal, etc., with water
Grey post ... ...
Grey metal ... ...
Black metal, with coal ... 5 ... ... • • • 0  $\frac{2}{3}$ 3 ... • • • ... 9 ... ... ... ō Grey metal ... 19 3 0

Total

19 3

#### No. 2,089.—USHAW MOOR.

#### TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat	
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Long.

Account of Boring at Ushaw Moor. Commenced February 13th, 1857.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs. Ft. I	n. Fs. 1	Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 10 5 7
Yellow clay		5		Dark metal 0 0 7
		3		0 11
Blue stony clay		-		
Yellow freestone		6		Post, with partings 1 1 6
Dark grey metal		0		Dark metal 0 0 $5\frac{1}{2}$
COAL	0 0	8		COAL 0 0 10
		- 4	5 10	2 3 11
Seggar	0 0	6		Seggar 0 0 7½
Grey metal	1 1	3		Grey metal 1 0 5
Grey metal, with post				Grey metal, with post
girdles	1 5	1		girdles 1 4 7
Dark metal		$\overline{3}$		Blue metal 0 0 6
		7		0041
Dark grey metal				
Grey metal		7		$\frac{}{}$ 3 2 4 $\frac{1}{2}$
COAL	0 1	6		Seggar $0 \ 0 \ 10\frac{1}{2}$
		- 5	59	Grey metal 1 3 4
				1 4 2
				2
Carried for	ward	10	5 7	Total 18 3 31
0411104 201			- '	10001 10 0 03

### No. 2,090.—USHAW MOOR.

#### TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

Boring at Ushaw Moor, 200 yards North of the Four Lane Ends, on the Left-hand Side of the Lane leading to Ushaw College. March 4th, 1867.

Approximate surface level

feet above sea (Ordnance datum).

Clay			Fs.	Ft 2	In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 13 3 1
Post			5	5	0				Shale 1 5 6
COAL			0	2	5				Post 0 3 0
						7	3	11	Shale 0 0 8
Brown shall	e		0	0	4				Post 0 2 10
Grey shale	, . ,		1	5	4				Black metal 0 0 8
Post			1	1	1				Grey shale, with post
Shale			0	3	0				girdles 3 0 0
Shale stone			0	3	0				Post 0 5 6
Shale			1	3	5				Black shale 0 0 4
COAL		,	0	1	0				
						5	5	2	
	Carried	for	war	d		13	3	1	Carried forward $\overline{7}$ 0 $\overline{6}$ $\overline{13}$ $\overline{3}$ $\overline{1}$

## No. 2,090.—USHAW MOOR.—CONTINUED.

Fs. Ft. In. Fs Ft. In. Brought forward 7 0 6 13 3 1	Brought forward Fs. Ft. In. Fs. Ft. In. 21 0 5
COAL, good 2 2	Strata to the Harvey Seam 25 0 0
coal, foul, mixed with slate 0 8	Strata to the Brock- well Seam 45 0 0
Carried forward 21 0 5	Total depth to $Brockwell$ $Seam \dots 91 0 5$

## No. 2,091.—USHAW MOOR.

#### TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

# Strata bored through in the Second Borehole at Ushaw Moor Colliery. December, 1870.

CI.					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I	
Clay	• • •	12	3	0				Brought forward 26 4	7
Sand and gravel	• • •	1	0	0				Metal stone 2 5 0	
Clay	• • •	2	3	0				Whin , , 0 1 3	
Dry sand	• • •	1	4	6				Grey post 0 2 9	
Grey metal	• • •	1	5	9					_
Dark metal	• • •	0	0	3				0 2	9
COAL		0	0	4	•		10	Metal stone 1 1 0	
25 . 2 .					19	4	10	White post 2 0 3	
Metal stone	• • •	0	3	6				COAL—Busty Seam 0 3 2	_
Whin	• •	0	0	6				3 4	5
Grey post	,	0	2	9				Grey metal 0 1 0	
Grey metal		0	4	0				Dark metal, with	
Grey post		1	2	0				scares of coal 0 1 6	
Whin	• • •	0	1	0				Metal stone 1 2 0	
Grey post	• • •	0	3	0				Whin 0 1 0	
Grey metal		0	1.	0				Metal stone 3 2 0	
Harvey Seam-								COAL 0 1 3	_
COAL	t. In ) 10							5 2	9
Grey band								Grey post, 1 0 0	
	13							Metal stone 0 2 0	
	7							Whin 0 0 9	
Diack metal	, 1	0	2	9				Metal stone 1 3 0	
•		U	2	ð	4	1	9	Grey post 1 0 0	
Grev metal		0	5	0	4	T	Э	Metal stone 0 4 0	
COAL	• • • •	0	0	6				Grey post 4 1 0	
COAL	• • • •	U	U	O	0	5	6	Dark metal 0 2 0	
Cham wastal utama			٦.	_	U	9	O	COAL — Brockwell	
Grey metal stone	•••	1	1	0				Seam 0 2 10	_
COAL	• • • •	0	3	0 6				9 3	7
COAL	• • • •	0	U	О	-		0	Grey post 0 3	6
					1	4	6		_
Comit	1 C.		3		90		-	Total sunk and bored 49 5	7
Carrie	u IOI	war	u		26	4	7	10tai sunk and bored 43 5	≟

## No. 2,092.—USWORTH.

#### TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long

# Boring at Usworth Place. Begun November 27th, 1815, and ceased February 22nd, 1817.

Boring boxes measured	Fs.	Ft.	In.	Fs. 10	Ft. 5		Fs. Ft. In. Fs. Ft. Brought forward 1 5 2 51 1
Soft loose sandy post	0	1	0	10	U	U	White post, with water 1 3 0
White post, with metal	-	_	•				Strong white post,
partings and water	2	4	0				mixed with whin 8 1 0
COAL	0	1	0				Grey and blue metal,
				3	0	0	with metal stone,
Grey metal and metal							post girdles, and
stone, with whin							water 3 2 0
girdles or lumps and	_	_	_				COAL, soft 0 1 0
water	5	5	0				15 0
Ft. In.							Grey metal stone 3 2 0
COAL 1 6							Blue metal 0 3 0
Grey metal 0 5							Grey metal stone,
COAL, foul, with small							with girdles 1 1 0 Blue and black metal 0 3 6
bands and							Grey metal stone, with
water 2 0							girdles 0 4 0
	0	3	11				Grey scamy post 0 4 0
				6	2	11	Grey metal stone, with
Blue grey metal	0	4	0				post girdles 3 2 0
COAL	0	1	2				Grey metal, with
				0	5	2	girdles 1 1 0
rey metal stone, with	_						Black and blue metal,
girdles and water	0		0				with lumps 0 5 0
White post, with water	1	0	0				COAL 0.03
rey metal and metal							
stone, with girdles and water	19	1	0				Grey metal stone 0 2 0
Strong white post,	10	_	U				Strong white post, mixed with whin 0 2 6
mixed with whin							Grey metal, with post
and water	0	5	0				girdles 1 1 7
Frey metal stone, with	•	•					COAL 0 0 4
girdles and water	1	5	0				Blue metal, with coal 0 0 5
Strong white post	0	4	0				2 0
Grey metal stone	0	3	0				Grey metal 0 2 0
Strong white post	1	0	0				Strong grey and white
Grey and blue metal	2	1	0				post 2 0 0
Strong white post	0	2	3				Whin, with small post
rey and blue metal,							partings 0 2 0
with metal stone,							Strong white post 2 5 0
post girdles, and water	7	1	8				Blue grey metal 0 2 2 COAL 0 0 8
Blue metal	ó	4	0				COAL 0 0 8
COAL, foul	ŏ	ī	ŏ				Blue and grey metal,
,	_	_	_	29	5	11	with hard lumps 2 3 0
Hard girdle or lump	0	0	2		,		COAL 0 0 10
Grey post	0		0				2 3
Grey metal stone	1	2	0				1 (25%)
Carried forward	1	5	2	<del></del> 51	1	0	Carried forward 89 1
Carried for ward	-	•	4	01	1	U	Cattled for ward 60 1

## No. 2,092.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	1	Fs.	Ft.	In.	Fs.	Ft	Tr
Brought forward				89	1	5	Brought forward	8	5	ō	91	3	- (
Grey metal, with hard							COAL	_		7			
lumps	0	4	7								8	5	-
Grey post	0	0	9				Grey metal	0	2	0	_	_	
Whin	0	0	6				Strong metal stone,	-		·			
Strong grey post	0	2	0				with girdles	1	0	8			
Grey and blue metal,								ō					
mixed with hard										_	1	3	
	0	5	0				Soft blue grey metal,				_	0	
COAL	ō		9				mixed with coal	0	1	8			
	_			2	1	7	Grey metal, with whin	v	•	J			
Frey metal stone and				_	-	•	girdles or lumps	4	4	4			
strong metal stone,							Strong white post			ō			
with hard girdles or							Whin			ŏ			
lumps	3	0	0				White post		1	0			
Strong white post	0	1	6				Black metal, mixed	J	4	U			
	ő	0	8				with coal	0	0	0			
Whin Strong white post	0	1	0				with coat	U	U		11	3	
Blue metal stone		2	0				Commence to 1 of one a military			_	ΤŢ	0	
	0	í					Grey metal stone, with	^	0	c			
White post	0	0	7				post girdles	0	3	О			
strong whin	U	U	7				Strong white post,	_					
strong white and grey							mixed with whin	0	2	9			
post, with black	-		^				Grey metal stone, with	_	_	_			
scares	1		0				post girdles	0	2	0			
Black metal	0	0	6				Black metal stone,			_			
White and grey metal,							with post girdles	2	4	6			
with metal stone							Grey and blue metal						
and hard lumps	2	0	9				stone	1	0	0			
strong white post,							Strong white post	0	3	0			
with hard lumps at											5	3	
bottom	1	1	0										
0 110 1		-	_				m . ·			-	10	-	_
Carried forward	8	5	U	91	3	U	Total			J	19	1	

## No. 2,093.—USWORTH.

#### TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Second Hole in Mrs. Shaw's Grounds at Usworth Place.

From surface to stone head 3 3 0 White post 1 0 0 Blue metal stone 3 3 0	Brought forward 8 0 0 Strong white post 4 2 6 Soft blue stone 0 0 10 White post 0 3 4
Carried forward 8 0 0	Carried forward 13 0 8

## No. 2,093.—USWORTH.—CONTINUED.

1) 1, 6,				Fs.	Ft.	In.	Brought forward 7 2 9 71 0 3
Brought forward			11				1 1 2 2
Blue stone	0		11				
White post	0	4	3				6
Blue stone	0	1	5				Strong white post, with whin 0 1 0
COAL	0	0	3	7.4	-	C	
			_	14	1	6	Strong white post 1 2 0
Blue metal stone	4	2	0				Blue grey metal 0 5 0
Black stone	0	1	0				COAL 0 0 6
COAL	ŏ	ō	6				10 5 3
OOAL				4	3	6	Soft blue metal 0 0 6
White metal and thilly					_	•	Strong grey metal
· ·	0	2	0				stone 0 4 0
		5	ő				Strong white post 0 5 0
White post		4	6				Blue grey metal stone 0 3 0
Blue metal	0	-36	U				
Blue metal, with scares	0	0	Λ				1 4
of coal	0	2	0				Grey metal stone, with
Grey metal	1	1	6				post girdles and
Thready grey post	_	_	_				water 1 3 0
and water	2	3	0				Black grey metal 2 0 0
Whin	0	1	0				COAL 0 1 0
Strong white post	1	0	8				7 5 6
Blue and grey metal							Grey metal stone 2 0 0
stone, with post							Blue and black metal 0 3 0
girdles and water	7	5	0				Strong grey metal,
Black and blue metal	0	3	0				
Grey metal and post							with hard lumps and water 2 0 0
girdles, with water	1	4	4				
White post, with water	ō	4	Ō				COAL 0 0 6
Grey and blue metal,	·	-	•				4 3 6
with post girdles							Black grey metal, with
and water	2	1	8				coal scares and
	õ	ī	ŏ				partings 0 3 0
Black and grey metal		0	6				Grey metal and post
White post and water	1	1	6				girdles 4 3 0
Grey and blue metal	0		-				Strong white and grey
COAL	0	1	0	o.		0	post 0 5 0
				37	5	8	and a
Grey metal	1	1	0.				
COAL	0	0	10				Grey scamy post, with water 0 1 0
				1	1	10	
Blue grey metal stone							The state of the s
and post girdles	11	0	0				Grey metal stone, with
Whin, with strong		·	v				post girdle 0 4 0
white post	0	1	0				Strong white post 1 5 0
	1	î	6				Strong blue grey metal
Strong white post		2	0				and lumps .: 3 5 7
Grey metal	0	4	U				Strong white post 0 3 0
Ft. In.							Whin 0 0 9
COAL 0 6							Strong white post 1 3 0
Blue metal 0 1							Strong black grey
COAL, foul,							metal and post gir-
slaty 0 8							dles 0 3 0
	0	1	3				Grey and white post,
			_	12	5	9	with partings 0 3 3
Grey metal	2	4	0				Black grey metal
Strong white post	õ	3	ŏ				stone and post
	U	o	U				1
Strong grey and blue	3	5	9				3
metal stone			-				18 1 1
Strong white post	0	<b>2</b>	0				
							4
Carried forward	7	2	9	71	0	3	Total 112 3 7
	•	-	•		~	•	

#### No. 2,094.—USWORTH.

#### TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 7″, Long. 1° 30′ 30″.

Section of Strata sunk through at Usworth Colliery. Begun April 7th, 1845; finished July 22nd, 1847.

~ " 1	,					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and san		• • •	3	2	0				Brought forward 1 2 0 65 4 8
Strong blue		• • •	<b>2</b>	5	0				Ft. In.
Loose freest	one		$^{2}$	1	0				COAL 1 0
Blue metal			2	1	0				Grey metal 3 0
COAL		•••	0	3	0				COAL 1 0
••••	•••	•••		_	-		_	_	COAL, slaty 1 2
						11	0	0	1 0 2
Blue and g	rev m	etal	6	0	0				10 2 2
White post			11	2	ő				
	•	"∤.	-		_		-	*	
water	•••	(	0	1	0				Strong grey metal,
Blue metal			3	3	0				mixed with post
COAL			0	1	0				and whin girdles 8 2 8
						01	-	^	COAL 0 0 4
						21	1	0	8 5 0
Grey metal			0	5	0				D4
Soft filterin			13	3	ŏ				0.0111 1 11 0 7 0
Loose metal			1	1	0				000
		• • •	_	1	-				COAL 008
COAL	• • •	• • •	0	1	0				4 1 8
						15	4	0	Thill 0 4 0
D /			_		^				0
Post		• • •	0	3	0				
Grey metal			<b>2</b>	0	3				O F
COAL			0	0	3				Blue metal () 1 0
						2	3	6	Ft. In.
Di 3		4 . 1						-	COAL 1 7
Blue and g					_				COAL, slaty 1 4
with iron		3	8	2	0				0 2 11
Grey metal			1	0	0				8 1 11
COAL			0	0	4				701 1 /11/11
						9	2	4	
(III *11				_	_	-	_		
Thill	• • •		1	0	0				Strong grey metal 1 4 6
Post			0	<b>4</b>	0				Grey metal 5 3 0
COAL			0	1	<b>2</b>				Grey metal and post 6 5 0
			-			1	5	2	Post 12 0 0
Than			0	0	0				Grey metal 5 0 0
Thill	•••	• • •	0	2	2				COAL 0 2 0
Post			1	0	0				32 3 6
Blue metal			1	3	6				/m: ***
COAL			0	1	8				
						0	-		Post, with blue stone
						3	1	4	partings 3 0 0
Grey metal			0	4	6				Main Coal Seam-
COAL			ŏ	0	_				Ft. In.
					10	0	5	4	COAL 0 10
					_	U	Э	4	Band 1 4
Grey meta	l, mi	xed							COAL 2 10
with post			8	5	0				0 5 0
White post			0	3	ŏ				7 5 0
post	•••	•••	U	o	U				
Carried	forms	nd.	1	2	_	65	4	0	Carried forward 137 5 11
Carrieu	iorwai	ıu	1	4	U	บอ	4	8	Carried forward 197 9 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,094.—USWORTH.—Continued.

Brought forward	Fs.	Ft.		Fs. 1	t. 1		Fs. Ft. In. Fs Ft. In Brought forward 4 3 0156 3 (
Grey metal, with thin whin girdles	2 2	0	0				Blue stone 0 3 0  Low Main Seam—
Thill Post Grey metal, with thin	4	4	6				Ft. In.  COAL 1 8  Splint 0 5  COAL 1 6
whin girdles Ft. In 2 10	•						COAL, coarse 0 5 0 4 0
Splint 0 3 <b>COAL</b> 1 11 Stone 0 2							Post, with metal partings 4 3 0
COAL 0 10	1	0	0	9	4	6	Black metal, with partings 1 3 0 Strong brown whin 0 5 0
Thill Post girdle Grey metal	$\begin{array}{c} 2 \\ 0 \\ 1 \end{array}$	$\begin{array}{c} 2 \\ 2 \\ 1 \end{array}$	8				Blue and black metal, with post and whin girdle 1 3 0
COAL	$\frac{0}{0}$	$\frac{1}{2}$		4	1	0	Hutton Seam— Ft. In.
Post girdles COAL, slaty	1 0	4 0	4	9	1	0	Splint 0 4 COAL 2 0 COAL, coarse,
Grey metal Post girdles	1 0	$\frac{3}{2}$		2	1	0	or swad 0 4 COAL, slaty on bottom 0 5
Blue metal	0			2	2	7	— 0 3 1 —— 8 5
Thill Grey metal Post	0 2	4	0	_	_	·	Thill 1 0
Carried forward	4			156	3	0	Total <u>172 0</u>

## No. 2,095.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

Approximate surface level feet above sea (Ordnance datum).

Section of Strata between Low Main and Hutton Seams, also between Hutton Seam and bottom of Sump, at Usworth Colliery.

Thill of the Low Main	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 0
Seam.	Post 2 0 0
Post 0 4 0	Blue metal 0 3 0
Blue metal 0 2 0	COAL 0 0 2
<del></del>	
Carried forward 1 0 0	Carried forward 3 3 2

## No. 2,095.—USWORTH.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 3 3 2	Brought forward	Fs.	Ft.	In.	Fs. 10	Ft.	In.
Black stone	0 0 0	Thill stone	0	5	0	10	Т	Z
Post	0 1 0	Blue (iron nodules)	2	2	0			
Whin	0 1 0	COAL	<u></u>	õ	3			
Black stone '				•	•	3	1	3
Grey metal	1 0 0	FF1 411				o	1	9
Post	0 2 0	Thill stone	0	1.	0			
Metal	0 2 0	COAL	0	0	6			
Post	0 5 0					0	1	6
Whin		Thill	0	1	3			
Grey metal		COAL	ŏ	ō	3			
Black stone	0 4 0	.,				0	1	6
Hutton Seam- Ft. In		m1 ·11	_		_	•	_	·
Splint 0 5		Thill		1	9			
COAL 2 7		Bastard post	2	1	0	_	_	_
	0 3 0					<b>2</b>	2	9
	10 1 2							
~		m / 1				10	-	_
Carried for	rward 10 1 2	Total		•••	_	16	2	_2
					=		_	

### No. 2,096.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in Mr. Robson's Close, Walbottle Royalty, South from Wagonway, being the First Hole in Walbottle. April 10th, 1767.

Soil and sandy clay				Fs.	Ft.	In.	Brought forward 8 3 0 5 1 0
clay COAL, foul, with a	1	0	0				COAL, coarse 1 4 Blue slate 0 3
mixture of metal	0	3	0	3	0	0	COAL, coarse 0 3 Blue greasy
Grey scamy stone,	•	_	•	Ĭ	Ü	Ü	metal 0 4 COAL, coarse 0 4 0 2 6
with girdles COAL	0	0	6	2	1	0	Grey metal 1 0 0
Grey metal, with scamy metal, strong				۵	J.	U	Blue and grey metal, scared with coal at
girdles and water Grey and white post,		5	0				top 0 5 6 COAL, soft foul 0 0 9
with brown scamy partings		4	0				Soft grey metal 0 0 4
							Soft black metal, with scares of coal 0 1 7
Carried forward	8	3	0	5	1	0	Carried forward 0 1 11 16 0 9

## No. 2,096.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft.	-Tn
Brought forward	0			16		9	D 114 1 0 0 0 0 0	C
Grev metal, with gir-							Grey metal 0 0 6	
dles and water	3	1	0				COAL 0 1 9	
Grey metal, with post							2 2	9
girdles	3	2	0				Grey metal stone 2 4 9	
White post	0	3	0				Whin mixture 0 1 0	
Whin	0	1	3				Grey post 0 1 0	
White post	0		6				Grey metal stone, with	
Whin	Ō	3	6				girdles or catheads 2 4 0	
White post, with blue			-				Black stone 0 4 6	
metal partings and							Grey metal stone, with	
water	1	2	0				girdles and catheads,	
rev metal stone, with	-	-	,				together with water	
post girdles	1	2	0				in some places 5 3 0	
White post			ő				Black grey metal 0 0 6	
COAL, with small	U	J	U				Grey metal stone 0 0 0	
	Λ	0	7					
danty scames	U	U	-	12	0	9	111	
21	_	1	_	14	U	9		
Blue metal	0	$rac{1}{2}$	0					
rey metal stone	1	z	0				Grey and white post,	
COAL, mixed with	_	_					with water 1 2 6	
metal	0	0	4	_	_		Strong white post, in-	
	_	_	_	1	3	4	termixed with whin 3 4 4	
Grey metal	0	1	0				Grey post, with gir-	
Grey metal stone	0	3	6				dles and partings 0 3 0	
Whin girdle or lump	0	0	9				Ft. In.	
Grey post	<b>2</b>		6				COAL, slaty 0 4	
COAL	0	0	5				Black metal,	
				3	1	2	with coal 0 2	
Grey metal and metal							COAL, splinty	
stone, with partings	0	3	4				near the top 3 8	
Whin girdles	0	0	8				0 4 2	
strong grey metal and	-	-	_				19 4	. (
post girdles	1	2	6				Soft blue slaty metal 0 1	(
Lone Privaten	_					_	Sold State State June 1	
Carried forward	2	0	6	33	0	0	Total 55 3	(
carried for ward		9		-0	•	•	2002 111 111 000	

## No. 2,097.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Second Hole, near Walbottle, about 60 yards
South-west from Five-mile Stone, Carlisle Road. September 16th, 1767.

	Fs.	Ft.	In.	Fs. Ft. In.		Fs.	Ft.	In.	Fs. I	t. In.
Soil and clay	1	0	0		Brought forward					
Brown and grey ram-					Blue and grey metal					
bly post	0	3	0		post, with partings	0	4	6		-
Brown and grey ram-					Black metal, mixed					
bly post, with part-					with coal	0	0	9		
ings	4	0	0							
Carried forward	5	3	0		Carried forward	6	2	3		

## No. 2,097.—WALBOTTLE.—CONTINUED.

Brought forward Ft. In. COAL 1 7	Fs. 6		In.	Fs.	Ft.	In.	Brought forward Whin			In. 10 0		Ft. 2	In. 2
Soft blue metal, with scares							Grey post girdles and metal partings	$_{0}^{1}$	1 0	4 5			
of coal 0 6							Grey metal and metal						
COAL, slaty 1 0	0	3	1	C	_		coal	0	$\frac{3}{0}$	$\frac{9}{4}$			
Grev metal	0	0	9	6	5	4		_			13	<b>2</b>	8
Grey metal Grey metal stone, with	U	U	J				Grey metal stone, with	9	0	Λ			
post girdles	2	4	0				girdles Grey post	3		0 6			
CÓAL	0	1	0				Whin mixture	ő	2	0			
~			_	2	5	9	Strong grey post, with	-	_	-			
Grey metal stone	2	3	0				water	2	5	0			
White and grey post, with water	3	2	6				Black grey metal	0	_	0			
COAL, bad,	U	_	U				Grey metal		1	0			
splinty at bot- Ft. In.							Whin mixture Strong white post	0	3	3			
tom 0 6							COAL		1	7			
Dark grey metal 0 2								_			8	0	4
COAL, splinty							Grey scamy post	0	3	0			
at top 0 9 Dark grey metal 0 7							Grey metal, with gir-	_	_				
COAL 1 3							dles and hard lumps	5 1	3 0	0			
Blue metal 0 1							Black and blue metal Grey metal stone, with	T	U	0			
COAL, mild,							water	0	1	0			
with water 0 3	0	3	7				Strong white post,						
				6	3	1	with whin girdles	2	2	0			
Grey metal	0	2	0	·	Ü	~	Blue metal	0	0	0 2			
Blue and black metal,							COAL				9	5	2
with coal	1	1	6				Blue metal	0	2	0	·		~
Grey metal	2	0	0				Grey metal stone	-	-	0			
Grey post and grey	0	0	0				White post	_	4	0			
scamy metal post Blue grey metal	$\frac{3}{1}$	3	0				Blue metal	0	0	4			
While post, with metal	1	J	J				COAL, with white	_					
partings and water	1	3	0				sparkles near the top	0	4	0	_	,	
Grey metal and girdles	1	0					In anor motel				$\frac{7}{0}$	4	4 2
White post	0	1	0				In grey metal				_	1	
Carried forward	11	1	10	16	2	2	Total			_	55	3	10

## No. 2,098.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND..

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Third Hole, near the top of Mill Dam Corner, near the Gin Horse Stables, Walbottle Colliery. January 19th, 1768.

Approximate surface level

feet above sea (Ordnance datum).

Soil and gravelly clay	Fs. Ft. In. Fs. Ft. In.  1 1 6	Brought forward White and grey post, with partings and			In. Fs. Ft. In.
		water	1	0	0
Carried forward	1 1 6	Carried forward	2	1	6

## No. 2,098.—WALBOTTLE.—Continued.

													_
	Fs.	Ft.	In.	Fs.	Ft.	In.	•	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6				Brought forward			0	27	3	0
Grey metal	0	<b>2</b>	0				Grey scamy stone						
Grey metal stone and							COAL	0	1	4			
post girdles	1	0	6								3	1	1
White post, with							a						
rambly partings and	3	1	8				Grey metal and metal	1	0	^			
water Strong white post	0	4	0				White and grey post,	1	3	0			
Grey rambly stone	ő		0				with partings and						
dieg rambig stone	·	_	-				water	0	2	6			
Ft. In.							Strong white post,			•			
COAL 0 6 COAL, foul,							with partings and						
mixed with							water	4	1	6			
metal 0 3							Whin mixture	0	3	O			
COAL 0 7							Strong white post and						
	0	1	4				water, with a mix-						
	•	-	_	0	^	0	ture of whin in various places	5	2	0			
				8	0	0	COAL	ő	ő	6			
Blue grey metal	1	0	0				33/12	·		٠	10	^	c
Black metal, mixed	_	^	^								12	0	6
with coal	0	0	9				Grey metal	0	0	9			
Grey metal	0	4 4	6				Grey metal stone,	^	_				
Grey metal stone	ő	1	ő				with post girdles	0	5	6			
Whin girdle Grey metal, with	U	_	·				Whin mixture	.0	2 5	0 3			
girdles	1	1	0				Blue and grey metal Blue metal stone and	U	U	o			
Jet, mixed with coal	0	0	4				post girdles	1	5	3			
Grey metal	1	0	6					_	_	-			
Strong white post	0	3	0				COAL 2 7						
Grey metal and metal	_		_				Grey metal 2 7						
stone, with partings	2	3	0				COAL, foul						
Blue grey metal	0	5	6				and brassy at						
Grey metal stone, with strong post girdles	5	5	6				bottom 0 7						
Grey metal and metal	U	Ü	·					0	3	4			
stone, with water	0	3	6					•	_	_	4	4	1
Whin girdle	0	0	6							_	4	4	1
Blue metal, with water	1	0	0				Blue grey metal	0	5	6			
White post, with		_	_				COAL, foul at bot-	^	^	0			
water	1	1	6				tom	0	0	8			
Strong white post,	^	-	c								1	0	2
with whin	0	1	6				Blue metal	1	0	9			
White and grey post, with water	0	5	3				Blue metal Grey post	ō	2	9			
COAL, with a brassy	•	U	0				Blue metal	ŏ	ĩ	3			
girdle or lump in							COAL, rather coarse						
middle	0	3	8				at bottom	0	3	5			
	_			19	3	0					2	2	2
C	Λ	1	0			-	In grey metal				0		0
Grey metal	0	1	U				8 3						
Grey metal stone and post girdle	0	4	0										
Grey and white post,	•	_	·				-						
with whin girdle													
and water	<b>2</b>	0	0										
Carried forward	9	5		27	3	0	Total				51	0	0
Carried forward		J	J	21	0	v			•••	-	=	_	=

#### No. 2,099.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

#### Fourth Place at Walbottle Colliery.

Approximate surface level feet above sea (Ordnance datum).

0.11 3 3	0 4	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and sand		6	Brought forward 8 2 6
Grey rambly stone	0 3	0	Grey metal stone and
Sandy channel	0 0	6 -	post girdles 1 4 5
Grey metal stone	4 0	0	Ft. In.
Strong grey post	0 4	6	COAL 1 4
Whin			Brass lump or
Grey post			band 0 1
Grey metal stone, with		•	COAL 2 2
	1 2	0	0 3 7
	0 1		10 4 6
Black stone	0  2	0	In grey metal 0 1 6
Diack stone	0 -2	U	
Carried forward	8 2	6	Total 11 0 0
Carrica for ward	0 4	U	10tal 11 0 0
			1

## No. 2,100.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Strata sunk through in the Union Pit, from the Engine Seam to the Splint Seam, Walbottle Colliery. 1810.

Thill 0	Ft. In. 2 10		Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In. 9
Strong white post 0	5 2					0	3	0			
COAL-Hodge Seam	_					0	3	6			
or Cannel Coal 0	1 8				Whin	0	1	6			
		1	3	8	Strong grey and white						
Thill 0	5 0		-	-	post	0	4	4			
7774 4	0 6				COAL	0	0	5			
Strong white post 0	2 10					0	3	2			
Whin 0					Blue stone	1	0	8			
Strong white post 0	5 7				COAL—3/4 Seam	0	2	2			
Blue stone 0	0 2				-				4	0	9
COAL 0	ĭ 6				Strong grey post	0	5	0			
		5	0	1	COAL	0	0	5			
		_			-	_	-		10	4	6
Carried forwar	d	6	3	9	Carried forward	0	5	Э	10	4	O
								,	n		

## No. 2,100.—WALBOTTLE.—CONTINUED.

Brought forward	Fs. 0			Fs. 10	Ft.	In. 6	Fs. Ft. In. Fs. Ft. Brought forward 19 3
Strong thill	ŏ	4	4		_	·	Blue stone 0 0 3
Blue stone, mixed with	v	-	-				COAL 0 0 6
whin	3	5	6				Thill 0 3 2
Blue stone	ő	2	ŏ				Strong grey post (lost
COAL — Main Coal	U	_	•				the water) 1 0 4
a	0	3	5				Blue stone (found the
Seam	U	U		6	2	8	water) 2 2 6
m.:11	$\overline{}$	2	-6	U	2	O	
Chill	0	ő	3				
COAL	U	U	9	^	2	9	Blue stone, with whin 1 4 3
	$\overline{}$		_	0	Z	9	Grey post, with whin 0 2 6 Strong grey post 1 0 4 Whin 0 2 5
Chill	0	3	2				Strong grey post 1 0 4
Black jointy stone,	_	_	_				
mixed with coal	0	3	6				are post in the case
Whin	0	1	2				Blue stone, mixed with
Strong grey post	0	0	6				post 0 3 6 COAL, splinty 0 3 8
Blue stone	0	<b>2</b>	<b>2</b>			4	
COAL	0	1	6				10 2
	_			2	0	0	
Carried for	war	d		19	3	11	Total 30 0

## No. 2,101.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Wellington Pit, Newburn Winning, Walbottle Colliery.

Call and bushess force	Fs.	Ft.	. In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and broken free- stone	Λ	3	6				Brought forward 3 0 10 8 0 5 Strong white post 1 1 0
Broken freestone							Strong white post,
Strong freestone, with							with spars 1 2 8
strong scares of post							Whin 0 1 2
COAL	0	0	5		_		White post girdle 0 2 0
		_		4	5	11	Strong grey post,
Thill	0	3	2				mixed with whin 0 2 2
Strong dun freestone, with water	Λ	9	10				Strong white post, mixed with scares
Grey and white post,	U	2	10				of coal 0 5 4
with partings	1	5	8				Grove Seam— Ft. In.
COAL							COAL 2 0
	_			3	0	6	Blue stone 1 2
Thill	0	3	4				COAL, mixed
Grey shivery post, with	_	_					with stone 0 11
partings	1	2	0				0 4 1
Strong grey post gir-	,	1					——————————————————————————————————————
dles, with partings	1	1	6				Thill 0 3 0
Carried forward	3	0	10	8	0	5	Carried forward 0 3 0 16 1 8

## No. 2,101.—WALBOTTLE.—CONTINUED.

Brought forward	Fs.	Ft 3		Fs. 16	Ft. :	In. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 2 53 2 0
Blue stone, with whin	1	3	2				COAL 0 0 4
Blue stone, with post							10 2 6
girdles	3	0	6				Thill 0 5 9
Strong white post	_		-				COAL 0 0 2
girdles	1	4	4				0 5 11
1171	ō	2	ō				Strong grey post 1 1 8
Grey shivery post	ŏ	_	10				Blue stone, mixed
White post girdles	ĭ	ō	6				with post girdles
	1	U	U				and water 1 2 2
Strong grey post,	Λ	=	8				COAL—3/4 Seam 0 1 11
mixed with whin	0	5	0				2 5 9
Strong grey post, with	1	-	0				1 ~.
partings	1	1	6				
Whin	ō		10				0 5 1
Blue stone	5	4	0				1
Green post	0	5	4				
COAL 0 7							0.041
TO 1 0 0							COAL 0 0 7
							1 0 1
COAL 1 0	^		4				Thill 0 1 0
	0	4	4	10	-	0	Strong grey post 2 3 0
C1 43 133	_	_	_	18	1	0	Grey post, with leaves of blue stone and
Strong grey thill	1	2	2				
Blue stone	1	0	0				water 1 2 6
Strong grey post	1	0	6				COAL - Main Coal 0 3 1
Whin	0	2	0				4 3 7
Blue stone	3	0	0				Thill 0 2 0
Blue stone, with iron-							COAL 0 0 3
stone	0	3	0				0 2 3
Blue stone	0	3	0				Strong grey post 0 2 6
Thill	0	2	6				Whin 0 1 0
Grey post	0	3	4				Black stone 0 3 3
Strong grey post,							Blue stone 0 3 6
mixed with whin	1	0	2				Strong grey post 0 3 1
Whin	ō	2	6				Blue stone, with post
Grey post	ĭ	3	6				1 . 11
COAL	ō	ő					0 1 6
COML		-		11	5	3	COAL 0 1 6 2 5 10
Thill	0	2	0	11	U	Ü	0.04
D1	ő	5	ő				0041
0041		0					COAL 0 0 6
COAL	0	U	Э	-	-	-	
DI 4	_	_		1	1	5	Thill 0 3 8
Blue stone	0	3	2				Strong grey post,
Whin	0	2	0				mixed with whin 0 3 0
Blue stone, with scares	_	_	_				Blue stone 2 0 6
of post	1	3	8				Strong black stone
COAL—Engine Seam	- 0	3	10				girdle 0 0 10
				3	0	8	Thill 0 2 8
Strong grey thill	0	1	4				Strong grey metal
Strong white post	2	ī					stone 1 0 2
COAL—Hodge Seam	õ	î					Strong grey stone 1 0 4
-Houge Seam	0	-	0	2	4	0	Whin 0 1 6
					-36	U	Strong grey post, with
Thill	0	3	<b>2</b>				partings 1 0 6
Blue stone	0	3	6				Blue stone, with thin
Coarse open grained							post girdles 0 4 0
post, with partings	1	2	6				COAL—Splint Seam 0 4 0
Coarse open grained	_		_				Spirit Seam 0 4 0 8 3 2
post, without part-							1 0 0
ings	7	5	0				Sump 1 3 0
- ··· ···	<u>.</u>	_		_			m + 1 0 + 4 0
Carried forward	10	2	2	53	2	0	Total <u>87 4 0</u>
		_		20	-	•	1

## No. 2,102.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Account of Strata bored through, about 150 yards North-west of the Red Cow Public House, Walbottle Colliery. April 18th, 1818.

Approximate surface level feet above sea (Ordnance datum).

	Fa	174	In	T'a	Trt.	In.	Fs. Ft. In. Fs. Ft.	 Tn
Soil and clay			4	T. 0.	E U.	111.	Brought forward 8 2 8 5 3	7
Mild blue stone	0	5	7				Strong white post 1 1 2	п
Grey mixture stone	0	4	10				Strong white post 1 1 2 Whin 0 1 2	
White and grev post.							White post, with part-	
with partings	1	2	9				ings 5 0 0 Blue stone 0 0 4 Strong white post 1 1 4	
Blue stone, mixed	_	_	_				Blue stone 0 0 4	
with pieces of post	1	1	6				Strong white post 1 1 4	
COAL	0	0	7	_		1-4	Mild grey post, with	
(0) :11	_	1	_	5	3	7	cashy partings 0 4 8 Strong white post 2 4 8	
Thill	U	T	4				Strong white post 2 4 8 Strong white post,	
White post, with partings	Λ	G	a				with partings 1 0 2	
Whin	0	1	Ω				Strong white post,	
Grev mixture nost	2	3	ŏ				mixed with whin 0 3 10	
Cashy partings	õ	ŏ	7				Grey post, with part-	
Cashy partings Grey post Strong white post Whin	ĭ	ì	4				ings 1 4 4	
Strong white post	0	5	2				Strong grey post,	
Whin	0	3	8				mixed with whin 1 5 0	
Strong white post	1	3	4				24 5	4
Whin	^	0	6					
Carried forward	8	2	8	5	3	7	Total 30 2	11
Carried forward	0	4	0	9	Э	′	10tai 50 Z	블

## No. 2,103.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of Strata bored through on Butterlaw Farm, Walbottle Colliery. 1828.

First Hole.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.

7 4 4

	. 8	4	2
COAL 0 5 2	3		
Thill 0 0 8	3		
Blue clay 7 4 4		2 0.	

# No. 2,104.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map.	Lat.	, Long.
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#### Second Hole.

ne clay							Fs. 1	ът. 5	In. 0	Fs.	Ft.	In.
	•••		•••	• • •	•••	• • •	_					
avel and sa	na		• • •				0	4	0			
ue clay							9	5	9			
ill							0	0	6			
hite post							0	3	8			
201		***					0	0	3			
hite post	•••		•••				0	0	4			
DAL		•••	***	•••	•••	•••	Ō	0	2			
ill						•••	0	0	9			

# No. 2,105.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

## Third Hole.

 ${\bf Approximate\ surface\ level} \qquad {\bf feet\ above\ sea\ (Ordnance\ datum)}.$ 

													-
Dl l										Fs.	Ft.	In.	
Blue clay			***				10	1	9				
White post	•••						0	1	1				
COAL	• • •						0	0	1				
Thill	•••	•••	•••		•••	•••	0	0	6				
White post	•••	•••		• • •			0	0	5				
Grey metal		•••				• • •	0	0	6				
Grey post	•••	•••	***	• • •	•••	• • •	0	5	2		_		
							-		_	11	3	6	
			Total							11	3	6	

# No. 2,106.—WALBOTTLE.

## TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map.	Lat.	Long.
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#### Fourth Hole. In First Pasture Field East of the House, Butterlaw.

Approximate surface level	feet above sea	(Ordnance datum).
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Blue clay COAL Thill	 •	 	 	Fs. 9 0 0	Ft. 4 1 0	In. 0 2 7	Fs.	Ft.	In.	
							9	5 5	9	

# No. 2,107.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 3", Long. 1° 43' 19".

Sunk in the Coronation Pit, Walbottle Colliery.

Sail and alar			Ft.	In. 6	Fs.	Ft.	In.	Brought forward 3 0 2 2 5 10
Soil and clay	• • • •	0	_	-				70
Brown freestone	• • •	0	4	0				Blue stone 1 2 1
Brown post		0	4	6				COAL 0 0 3
Blue stone		0	4	0				4 2 6
Black stone		0	0	5				
COAL		0	0	5				Grey post 1 2 6
	•••	•	•	•		_		Blue stone 1 0 0
				—	<b>2</b>	5	10	Dark grey post 6 4 0
White post, with	part-							Grey post, with part-
ings		2	3	0				ings 0 2 10
Black stone		0	1	0				Whin 1 1 6
Thill		0	0	8				Grey post, with part-
Whin	•••	Ō	1	6				ings 0 3 10
••••	•••	-	_	•				
Carried forward	ard	3	0	2	2	5	10	Carried forward 11 2 8 7 2 4

# No. 2,107.—WALBOTTLE.—CONTINUED.

72 3463		Ft.					Fs. Ft. In. Fs. Ft. In.
Brought forward		2 5	8 6	7	2	4	Brought forward 2 5 11 50 5 4
Brown post	1 0	1	6				White post 0 5 3 COAL 0 0 3
Grey shivery post Grey metal, mixed	U	_	U				
with coal	1	2	6				3 5 5
White post, with water			6				Thill 0 3 0
Grey metal	ĩ	3	0				Strong grey metal,
Post, with water	0	4	0				with scares of post 2 1 3
Blue stone, with post							Whin 0 0 9
girdles	2	0	6				Grey post, with whin
Whin	0	5	0				girdles 0 5 3
Post girdles and grey	_	_					COAL 0 2 0
metal stone	0	3	4				4 0 3
White post	0	4	0				Thill 0 1 0
COAL—Grove Seam	. 0	2	4	_ =	_		Post girdles 0 1 4
			_	28	1	10	Grey metal, with post
Thill	0	0	6				girdles 1 4 6
Grey metal stone, with							Whin 0 0 8
post girdles	0		6				Grey metal, with
COAL, coarse	0	0	6				scares of post 0 1 6
				0	3	6	Blue stone, mixed with ironstone 0 4 6
Thill	0	0	6				701 7
Blue metal, with iron-	U	U	U				Black stone 0 3 6   Grey post 1 0 0
stone balls	2	1	0				Whin 0 2 4
Grey metal, with scares	_						Grey post 1 3 8
of post	2	1	4				Whin 0 1 8
Green post, with much							COAL 0 0 3
water	5	1	6				7 0 11
COAL	0	0	2				/m; ;;;
				9	4	6	Grey post 0 2 8
Thill	0	0	5				Blue metal, with iron-
COAL	Ŏ	ō	3				stone 1 3 9
			_	0	0		COAL 0 0 6
			_	U	U	, 8	3 4 11
Thill		0	8				Grey metal stone, with
Blue stone	0	-	2				post girdles 0 5 7
Grey metal stone Grey post, with water	0	5	6				Blue stone, with scares
Blue metal, mixed	_	U	U				of post 2 1 0
with balls of iron-							COAL—Engine Seam 0 3 11
stone	0	3	0				3 4 6
COAL	0	2	11				Strong grey thill 0 1 4
				3	4	3	Strong white post 2 1 0
Gran matal	0	0	6				COAL—Hodge Seam 0 1 8
Grey metal	0	ŏ	5				2 4 0
Grey post }-	0	4	7			*	2 4 0
COAL	0	0	9				Thill 0 3 2
COAL				1	0	3	Blue stone 0 3 6
Thill	Λ	0	10	_	,	-	Coarse open-grained
Blue metal, with iron-	0	U	10				post, with partings 9 1 6
stone	0	5	0				COAL 0 0 4
Green post	ŏ	4	4				10 2 6
Whin	ĭ	î	9				
	_		_	_			
Carried forward	2	5	11	50	5	4	Carried forward 86 3 10
Carried 201 Ward	_	U		55	9	-	Carried Lot Hard 00 0 10

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,107.—WALBOTTLE.—CONTINUED.

Brought forward		Ft.	In.	Fs. 86		In. 10			Ft. 4		Fs. 97-		
COAL	ŏ	ŏ	2	0	ĸ	11	COAL	ō	ĭ	6			
Strong grey post	1	1	8	Ů	U	11	Blue stone			_	2	5	10
Blue stone, with post		2	2				COAL	0	0	<b>4</b> <b>6</b>			
COAL-3/4 Seam	ō		11		_	•	-			-	0	0	10
Strong grey thill	0	4	8	2	5	9	Thill Blue stone	$\frac{0}{2}$	3	8	,		
COAL	ŏ	0	5	^	_		Strong black stone	^	^	10			
rhill	0	2	0	0	5	1	girdle Thill	0	0 2	8			
Grey post	0	3	6				Strong grey metal	1	0	2			
COAL	0	0	7	1	0	1	Strong grey post	0	0	4			
rhill	0	1	0				Strong grey post, with	•	-	Ĭ			
Strong grey post COAL — Main Coal	3 0	$\frac{5}{3}$	6 1				partings Blue stone, with thin	1	4	6			
	_		_	4	3	7	post girdles	0	4	0			
[hill COAL	0	0	0 3					0	4	6			
				0	2	3	-				9	1	8
Strong grey post Black stone	0 1	3 0	6 9										
Carried forward	1	4	3	97	2	6	Total		•••	1	.09	4	10
r	his	pit	is 5	$5\frac{1}{2}$ :	fatl	noms	above high water mark.					-11	12

# No. 2,108.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Orduance Map. Lat. , Long.

An Account of Strata sunk through at Walbottle Colliery, by Thomas Maddison. May 15th, 1828.

Soil 0	Ft. In. 3 2	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 7 0 2
Gravel, with water 0	3 6				Fire clay 0 2 1
Strong white post,					Grey metal stone, with
with water 5	24				girdles 2 0 9
with water 5 COAL, coarse 0	3 2				girdles 2 0 9 Dark grey whin 0 5 3
		7	0	2	Fine blue metal stone, with ironstone gir-
					dles 11 0 9
					14 2 10
Carried forwar	d	7	0	2	Total 21 3 0

## No. 2,109.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata bored through near the Burn si le, about 100 yards below the Hazel Cross, on the North extremity of Waldridge Common, by W. Wake. 1776.

Brown and grey rambly stone 0 2 8 Brown and grey post, with soft scamy partings and water 3 0 0 Brown and grey rambly stone 0 3 0 Brown post, with scamy partings 0 4 6 Brown and grey rambly stone 0 3 6 Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0 Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1 COAL 1 0	Brought forward  Fs. Ft. In. Fs. Ft. In.  17 3 8  Grey metal stone, with iron girdles and water 5 3 0  White and grey post and water 0 5 4  Grey scamy post, with partings and water 1 5 0  White and grey post, with coal pipes 1 4 0  Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
Brown and grey rambly stone 0 2 8  Brown and grey post, with soft scamy partings and water 3 0 0  Brown and grey rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 9  Scare band 0 1  Grey thill 0 2 0  Grey and blue metal	iron girdles and water 5 3 0  White and grey post and water 0 5 4  Grey scamy post, with partings and water 1 5 0  White and grey post, with coal pipes 1 4 0  Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
Brown and grey rambly stone	iron girdles and water 5 3 0  White and grey post and water 0 5 4  Grey scamy post, with partings and water 1 5 0  White and grey post, with coal pipes 1 4 0  Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
Brown and grey post, with soft scamy partings and water Brown and grey rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0  — 0 2 10  — 14 1 4  Grey thill 0 2 0  Grey and blue metal	White and grey post and water 0 5 4  Grey scamy post, with partings and water 1 5 0  White and grey post, with coal pipes 1 4 0  Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
with soft scamy partings and water Brown and grey rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0  Grey thill 0 2 0  Grey and blue metal	and water 0 5 4  Grey scamy post, with partings and water 1 5 0  White and grey post, with coal pipes 1 4 0  Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
partings and water 3 0 0  Brown and grey rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0  ——————————————————————————————————	Grey scamy post, with partings and water 1 5 0 White and grey post, with coal pipes 1 4 0 Blue and grey metal 0 0 9  Ft. In.  COAL 2 6 Black band,
Brown and grey rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0  ——————————————————————————————————	partings and water 1 5 0 White and grey post, with coal pipes 1 4 0 Blue and grey metal 0 0 9  Ft. In.  COAL 2 6 Black band,
rambly stone 0 3 0  Brown post, with scamy partings 0 4 6  Brown and grey rambly stone 0 3 6  Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0  ——————————————————————————————————	White and grey post, with coal pipes 1 4 0 Blue and grey metal 0 0 9  Ft. In.  COAL 2 6 Black band,
Brown post, with scamy partings 0 4 6   Brown and grey rambly stone 0 3 6   Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0   Brown and grey post, with coal pipes and water 3 1 6   COAL 1 9   Scare band 0 1   COAL 1 0   COAL 1 0	with coal pipes 1 4 0 Blue and grey metal 0 0 9  Ft. In.  COAL 2 6 Black band,
Brown and grey rambly stone 0 3 6 Brown and grey post, with soft scamy partings, open gullets, and water 4 4 0 Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1 COAL 1 0 ———————————————————————————————————	Blue and grey metal 0 0 9  Ft. In.  COAL 2 6  Black band,
Brown and grey   rambly stone     0   3   6	Ft. In.  COAL 2 6  Black band,
Brown and grey post, with soft scamy partings, open gul- lets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1  COAL 1 0  ——————————————————————————————————	COAL 2 6) Black band,
with soft scamy partings, open gullets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1 COAL 1 0	Black band,
partings, open gul- lets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1 COAL 1 0	
lets, and water 4 4 0  Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9  Scare band 0 1  COAL 1 0	
Brown and grey post, with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1  COAL 1 0  0 2 10  14 1 4  Grey thill 0 2 0  Grey and blue metal	scared with
with coal pipes and water 3 1 6  COAL 1 9 Scare band 0 1 COAL 1 0	coal 0 3 * COAL 1 0
Water 3 1 6  COAL 1 9 Scare band 0 1  COAL 1 0  0 2 10  Grey thill 0 2 0  Grey and blue metal	Grey band 0 2
COAL 1 9 Scare band 0 1 COAL 1 0	COAL, foul 1 5)
Scare band 0 1  COAL 1 0  0 2 10  Grey thill 0 2 0  Grey and blue metal	0 5 4
COAL 1 0 0 2 10 14 1 4 Grey thill 0 2 0 Grey and blue metal	
	10 5
Grey thill 0 2 0 Grey and blue metal	Grey metal 0 2 0
Grey thill 0 2 0 Grey and blue metal	In grey metal stone 0 2 0
Grey and blue metal	
	0 4
stone, with post	
girdles and water 2 3 0 Black and grey metal 0 0 9	
8 1	
COAL 1 11	
Black stone and	
coal 0 8	
0 2 7	
<b>———— 3</b> 2 4	
Carried forward 17 3 8	Total 29 1

<sup>\*</sup> Supposed to be the Hutton Seam, but not in perfection.

## No. 2,110.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

Long.

Bored near the Burn side, about 180 yards below the Durham Road, on the South extremity of Waldridge Common, and joining Chester South Moor. 1776.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. I	Ft. I	ľv,	Fs. Ft. In. Fs. Ft. In
Rods measured	36	3	5				Brought forward 42 0 8
Grey metal	0	1	6				Hutton Seam- Ft. In.
Grey metal stone							COAL 1 6
Black stone							COAL and
	ĭ						water 2 4
Blue metal, with cat-		Ů	·				COAL, brassy 0 9
		0	0				0 4 7
heads Soft blue metal	Õ	ĭ	ğ				42 5 3
3010 blue metal	U	-	U				Black slaty metal 0 0 6
							COAL, foul 0 0 2
							Black slaty metal 0 0 5
							In grey metal 0 0 5
							0 1 6
Carried forward	42	0	8				Total43 0 9
							-

## No. 2,111.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Section of Strata sunk and bored through at Waldridge Colliery, on the East side of Waldridge Common.

Gravelly soil Gravelly clay Yellow sandy clay Dark metal Grey metal		$\begin{matrix} 0 \\ 1 \\ 1 \\ 2 \end{matrix}$	1 1 3 0	3 8 7 5	Fs. Ft. In.	Brought forward 8 1 6  Main Coal Seam— Ft. In.  COAL, coarse 1 7 Stone band 0 2 COAL, good 3 9 —— 0 5 6 —— 9 1	0
Carried forward	d	8	1	6		Carried forward 9 1	0

# No. 2,111.—WALDRIDGE.—CONTINUED.

Duought formend		Ft.	In.	Fs.			Brought forward Fs. Ft. In. Fs. Ft. In.
Brought forward	2	1	9	9	1	U	
Grey metal							
Grey post	1	3	$\frac{7}{2}$				D1 1 1 1
White post	0	2					
Grey metal	1	4	4				COAL 0 0 4
Blue metal	2	0	3				2 0 7
Black metal	0	1	2				Grey metal 1 0 10
Grey metal	0	0	9				White post 2 5 0
Blue metal	1	1	8				COAL 0 0 1
COAL	0	0	3				3 5 11
Grey metal	1	<b>2</b>	<b>2</b>				Dla ala atana 0 0 4
Maudlin Seam- Ft. In							Black stone 0 0 4
COAL, coarse 3 2							Grey metal 0 5 6
Grey metal 0 6							White post 0 5 9
0.00							Grey post 0 3 3
COAL 0 9	0	4	5				White post, with blue
	U	æ	U				metal partings 1 3 6
				11	4	6	Black stone 0 1 3
Grey metal	0	0	11				Post girdle 0 0 8
White post	2	0	0				Blue metal 0 3 0
Grey metal	2	3	7				Whin girdles 0 0 3
Dark metal	ō	5	2				Blue metal 0 1 0
	4	3	$\tilde{6}$				COAL 0 1 2
White post	-1	o	·				5 1 8
Low Main Seam— Ft. In.							Grev metal 0 2 6
COAL, good 3 0							
Splint 0 1							Grey Post
Spinit 0 1	0	3	1				Whin girdle 0 0 4
	0	0	-			_	Grey post 1 0 0
	_			10	4	3	Blue metal 0 0 3
Grey metal	0	0	7				White post 0 0 8
Grey post	3	2	4				Whin girdle 0 1 6
		_	_				White post 0 1 0
Bruss Thill Seam-							Whin girdle 0 0 6
COAL 1 7							Grey metal 0 3 7
01 0 1							Grey post 0 4 8
							White post 0 1 6
COAL 0 3		1	11				Grey post 1 0 0
	0	Т	11				Blue metal 3 1 0
				3	4	10	COAL 0 1 0
Guar matal	1	3	3				8 4 (
Grey metal	1	0	8				Grev metal 0 1 6
Grey post							Grey metal in
White post	0		10				COAL 0 0 7
COAL	0	U	11				0.4.6
				3	0	8	Grey metal 0 4 0
Grey metal	0	2	7				m + 1 - 1 - CC 1 11
	1	4	5				Total sunk 66 1 11
Grey post							
Grey post girdles	1	3	6				Bored further:—
White post	1	1	4				Grey metal stone 1 0 3
Blue metal, with iron-	_		_				Black metal 0 0 8
stone girdles	0	<b>4</b>	9				Diack income in
Hutton Seam- Ft. In	١.						COAL, foul 0 1 8
COAL 3 11							0.00
Stone 0 4							Grey metal 0 3 9
COAL and							White post 1 0 0
stone 1 7	,						Grey metal, scared
1	- 0	5	10				with post 0 3 0
	_		10	6	4	5	Davis motol 0 1 0
				0	-4	. 0	
				_			0.7.00
Carried fo	rwa	$^{\mathrm{rd}}$		45	1	. 8	Carried forward 2 1 9 67 4

## No. 2,111.—WALDRIDGE.—CONTINUED.

•	7 (				In. 6	Fs. Ft. In. Fs. Ft. In.
			4	Ľ	O	Brought forward 1 0 6 74 3 2 Grey metal 1 2 5
		_				COAL 0 0 7
						Grey metal 4 4 1
<b>2</b>	1 (	3				Busty-bank Seam—
0	1 (	)				Ft. In.
		- 8	5 1	L	11	COAL, tender 1 10
1	1	l				Metal 0 4
0	1 8	3				COAL, tender 1 10
		- 1	L 2	2	9	0 4 0
1	0 (	)				<del></del>
0	0 6	3				
1	0 6	74	. 9		2	Total 82 2 9
	0 0 0 2 0 1 0	1 1 1 0 0 0 0 6	0 1 0 0 2 0 0 0 8 2 1 6 0 1 0 1 1 1 1 0 1 8 1 0 0 6	0 1 0 0 2 0 0 0 8 2 1 6 0 1 0 1 1 1 1 0 1 8 1 0 0 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 1 0 0 2 0 0 0 8 2 1 6 0 1 0 1 1 1 1 0 1 8 1 0 0 0 0 6

# No. 2,112.—WALDRIDGE.

## TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50′ 40″, Long. 1° 36′ 32″.

# Section of Strata sunk through at Waldridge Fell Colliery.

Soil and clay, mixed	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In.		Ft.	In. 7
with sand	3	0	0				Brown thill 0 2 0	10	4	1
Blue metal	ő	5	8				Strong grey metal 1 2 2			
Flint, white post	_	3	ő				White post 0 2 10			
Blue metal	ŏ	3	ō				COAL, splinty—			
Grey metal, with post	Ĭ	•	-				Maudlin Seam 0 1 4			
girdles	1	O	0					2	2	4
Blue metal	3	1	2				Thill 0 2 3			
COAL — Main Coal							Grey metal         0       3       0         Post         1       1       1			
Seam	0	5	0				Post 1 1 1			
				9	5	10	Blue metal 0 1 0			
Thill	0	_	10				White post 2 4 5.			
Post girdles	0	1	2				Blue metal 0 0 8			
Grey metal, mixed	_		_				White post 3 0 11			
with post girdles	0	$\frac{4}{2}$	2 5				Brown post, with			
White post	0	Z	Э				partings 3 4 2			
Grey metal, with post	0	3	0				Seam 0 3 0			
girdles Blue stone	0	4	5					12	2	6
Blue stone Black stone	0	0	8				/mi:11 0 1 0	.2	4	U
White post	0	3	6				Post girdles 0 5 0			
Grey metal, with post	•	o	U				Blue stone 1 0 9			
girdles	0	3	5				Post, with whin 0 4 8			
Blue metal stone	1						Blue stone 0 5 0			
COAL	0	0	4				COAL—Brass Thill			
				5	4	9	Seam 0 1 8			
								4	0	1
Carried for	war	d		15	4	7	Carried forward 3	34	3	6

# No. 2,112.—WALDRIDGE.—CONTINUED.

Ft, 1	t. 1		Ĺ
2	2		1
0	0		
0	0		
_	_		
5	Э		
<b>2</b>	2		;
4	4		
7	7	7 4	7 4

# No. 2,113.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 50′ 18", Long. 1° 34′ 51".

Waldridge Colliery. Section of the Strata sunk through in the Chester South Moor Fan Pit. Finished November 10th, 1888.

Soil		Ft.	In. 0	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. I 17 5 1	
Sandy elay	-						Soft grey metal 0 3 4	
Yellow sand	9	Λ	Ω				COAL 0 0 3	
Grey sand, with water	ī	3 5	4					7
α ,	J	5	6				Blue metal 0 4 0	•
T)1 1 1	0	ő	6				COAL 0 0 4	
A	2	5	0				0 4	4.
Sand and loam Sandy clay and	2	J	U				701 11 0 7 0	T
1 11	2	3	8				Grey metal 0 5 0	
boulders	2	Э	0	1.4	3	^		
	_			14	3	0		
Grey metal Blue metal	0	$\frac{1}{5}$	1				Blue metal, with iron	
Blue metal	1		9				girdles and water 3 4 7	
COAL, coarse	0	0	7				Low Main Seam-	
				2	1	5	COAL, with Ft. In.	
Black stone, mixed							water $2   9\frac{1}{2}$	
with coal	0	1	6				Seggar 1 6	
Blue metal	0	1	6				COAL $0  3\frac{1}{2}$	
Brown post girdles							Grey metal 1 4	
and water	0	4	3				COAL 0 1 (0 0 7	
COAL	ŏ	õ	3					¢.
			_	1	1	6	(0 5 5	_
					-	0	8 1	7
~							0 1 1 4 1 2 0 1 0	_
Carried for	war	d		17	5	11	Carried forward 27 3	5

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,113.—WALDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward			:	27	3	5	Brought forward 4 1 6 55 2 2
Grey metal, with							Soft blue metal 2 1 6
water	1	$^{2}$	0				COAL 0 0 1
White post girdles,							6 3 1
with blue metal							Seggar 0 3 0
partings	1	0	0				Grey post, mixed with
White post, mixed							brown 1 4 2
with whin	0	4	4				Blue metal 0 0 4
Blue metal, with thin	Ū	-	-				COAL, good 0 0 5
post and whin							
	1	4	9				
girdles - COAL—Brass Thill	_	-10	o				Mild seggar 0 1 6
	^	0	10				Grey post 0 3 6
$Seam \dots \dots$	0	4	10	بر	-	-1-1	Hard brown post 0 2 0
GI I	_	٠,		5	1	11	Grey metal and post
Strong seggar post	0	1	3				girdles 0 5 6
Grey metal and white			_				Blue metal 0 5 6
post girdles	0	4	7				COAL, good—Har-
COAL	0	0	9				vey Seam 0 1 6
				1	0	7	3 1 6
Grey metal	0	1	3				Strong seggar 0 4 6
Grey metal and white							Soft blue metal 1 0 6
post girdles	0	4	7				COAL 0 0 2
Strong grey post	0	2	6				1 5 2
Grey metal	0	0	3				Soft seggar 0 2 0
Blue metal and white							Strong white post 2 0 4
post girdles	0	4	0				COAL, good 0 0 8
Grey metal and white							2 3 0
post girdles '	1	0	9				Seggar 0 1 9
Strong grey post	0	1	6				Grey metal, with post
Grey metal	0	0	6				girdles 0 3 7
Grey post, mixed with							Soft blue metal 0 3 6
whin	0	3	6				Ft. In.
Blue metal	0	1	8				COAL, top 0 11
White post	1	3	3				Band 0 1
Blue metal	0	0	6				COAL, bot-
COALHutton Seam	0	4	0				tom 1 0
-				6	4	3	0 2 0
Strong seggar thill	0	3	6				1 4 10
Strong white post	0	4	3				Mild seggar 0 3 0
Leafy post parting	0	0	2				Strong post girdles,
Strong post	0	5	6				with partings 1 0 0
Soft black shale part-							COAL 0 0 2
ing, with water	0	0	4			-	1 3 2
Blue metal, mixed							Seggar, mixed with
with iron balls	6	4	3				grey metal 1 0 0
Grey post, with blue							Strong white post 8 1 0
partings	2	5	0				Mild grey metal 0 4 0
Blue (mild), with iron							Busty-bank Seam—
balls	0	3	0				COAL, top, Ft. In.
Mild grey post	2	1	2				good 1 10
COAL, good, with		_	_				Brown stone
water	0	0	10				band 0 2
			<u> </u>	4	4.	0	COAL, coarse 0 3
S - \$4	0	0		_	_		Stone band 0 2
Soft seggar	0	3	0				COAL, bot-
Dark leafy post, with	^	0	^				tom, good 2 0
water	0	2	0				0 4 5
Mild white post	0	3	6				10 3 5
Dark leafy post	1	3	0				Coarse seggar 0 2 0
Blue metal, with water	0	5	0				White post 2 1 0
Leafy post	0	3	0				2 3 0
Carried forward	4	l	6 5	5	<b>2</b>	2	Total 88 1 <u>3</u>

## No. 2,114.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Bored in Walker Estate at the head of Stot's Pow Dean for the Corporation of Newcastle. First Hole, a little below the middle of the Bank. March 21st, 1753.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In. Fs.	Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and bro	wn clay	0	1	6		Brought forward		0	0			
Stony clay		1	3	0		Brown sandy channel,						
Leafy clay		0	1	0		with water	0	4	0			
Strong clay		6	<b>2</b>	0		Brown and grey leafy						
Leafy clay		$^{2}$	1	0		clay	1	0	0			
Sandy clay		0	<b>2</b>	0		Sandy clay	0	$^{2}$	0			
Stony clay		0	1	6		In brown scamy post	<b>2</b>	0	0			
. ,									— :	15	0	0
			-									
Carried	forward	11	0	0		Total				15	0	0
										-		

# No. 2,115.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Second Hole, about 90 yards up the Bank westward from the First Hole before mentioned.

Soil and soft clay Stony clay Soft leafy clay, scared with sand and a	0 4	3	0	Fs.	Ft. In.	Brought forward Brown sandy ramble or gravel, mixed with brown and			In. Fs	. Ft.	In.
siping of water Stony clay	2	0	0			blue clay	3	3	0		
Stony clay	6	3	0			Gulletty brown ram-					
Leafy clay, scared						ble, or broken post					
with sand	1	3	0			In brown scamy post	0	3	0		
Soft brown and grey scamy metal, mixed with clay	1	0	0						20	0	4
J											
Carried forward	15	3	0			Total		•••	20	0	4

## No. 2,116.—WALKER.

## TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map.	Lat.	, Long.
•		

## Third Hole bored at the bottom of the Bank, near the Float Gap. April 13th, 1753.

Approximate surface level	feet above sea	(Ordnance datum).

Soil								Fs	. Ft	. In.	•
Stony clay .					 4	3	0				
Leafy clay, sca	red with s	and			 1	5	0				
Broken post o											
water .	••				 3	3	0				
In broken scar	ny post, wi	ith wat	ter		 1	3	9				
	• • •						_	11	3	9	
										_	
	Total	•••	1 * *	•••		•••		11_	3	9	

## No. 2,117.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Fifth Hole. The Well at Walker Town was opened June 5th, 7th, and 8th, 1754, and boring made as under.

Approximate surface level	feet above sea (Ordnance datum).										
Sunk in all Old hole bored			Fs. Ft. In. Fs. Ft. In. 11 3 0 26 3 0								
Grey metal			${0} {0} {0} {2} {}$								
COAL, foul Black metal, scared with coal		0 11 0 5									
COAL	•••	0 8	0 2 0								
In grey metal (June 8th, 1754)	•		0 2 2 2 0 0 2								
Total			38 2 4								

August 5th, 1754.—Levelled from the top of Walker Resolution Pit to Tyne side, at the highest water mark to 8 fms. 1 ft. 5 ins., the distance is 836 yards; and from Byker Recovery Pit to the top of the Resolution Pit, 11 fms. 2 ft. 1 in., the distance is 1,270 yards.

 $\mathbf{F}$ 

# No. 2,118.—WALKER.

## TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

## Account of the Boring in Walker Estate, at the head of Stot's Pow Dean. August 27th, 1753.

Approxima	te s	surf	ace	lev	el	1	feet above sea (Ordnance datum).
Sunk to scaffold Box Leafy clay	Fs. 7 6 0	Ft. 2 3 4	In. 8 4 0	Fs.	Ft.	In.	Brought forward 6 2 9 30 0 5 Grey post 1 2 6 Metal parting, with
Gravel, mixed with	Ŭ	-	·				much water 0 0 3
sand and water	0	5	9	15	3	9	Strong white post 3 0 0 Strong white and grey
Brown post, with soft	_	_					post 2 0 0
scamy partings	1	5	0				Grey metal stone 0 1 4
Brown and grey post, with soft brown and	0	1	6				Grey metal 0 0 5 13 1 3
sandy partings	1	0	0				Grey post 0 5 0
Grey, white, and brown	^	^	_				Grey metal, with gir-
An open gullet or hol-	2	0	0				dles or lumps 1 2 0 Strong white post,
low place	0	1	3	5	1	9	mixed with whin 1 5 0 White and grey post 2 2 0
Strong white and				Ü	-	U	White post with whin
brown post	3	1	6				girdles 2 5 0
Coal pipe parting	0	0	4				Grey post 0 2 0
White post	0	4	0				White post 1 2 0
black metal	0	0	4	4	0	2	Blue metal 1 6 COAL 1 0
Blue and grey metal Soft black metal,	2	0	0	T		~	Black metal, scared with
mixed with coal	0	0	8	2	0	8	coal 1 6 0 4 0
Grey post, with water	1	1	0				11 4 6
Blue grey metal stone	0	4	0				White post 2 1 0
Blue metal	0	3	9				Blue and grey metal 0 3 0
COAL O 7							A hard slaty girdle or
Blue and grey metal, mixed							lump 0 0 3 COAL 0 0 6
with coal 2 0							
COAL, hard							Grey metal, with gir-
and water 0 9							dles or lumps 1 0 0
	0	3	4	9	0	1	White post 0 2 0 Grey metal stone 0 0 9
Soft grey metal stone	1	2	0	3	0	1	Grey metal stone 0 0 9 Grey and black metal,
Whin mixture	ō	ō	9				with whin girdles 1 3 0
White post, with water	ĭ	2	Ö				Black slaty metal 0 2 0
Grey metal stone	1	3	0				Grey metal 0 1 0
Strong white post,							COAL 008
mixed with whin	0	1	0				3 3 5
Grey and black metal, with girdles or							Grey metal 0 0 4
lumps or	2	0	0				White post 1 0 8
Carried forward	6	2	9	30	0	5	Carried forward 1 1 0 61 2 7

# No. 2,118.—WALKER.—CONTINUED.

Strong grey post   1   1   0   0   1   0   0   0   0   0	D 1461					Ft.		Fs. Ft. In. Fs. Ft. Brought forward 7 3 3 72 5 1
Blue and grey metal, with girdles or lumps 2 0 0 0					οī	Z	7	
Numps   1		1	1	U				oirdles 0 5 0
Numps       2   0   0	with girdles or				_			Whin 0 1 2
Strong white post, mixed with whin   0		2	0	0				
Strong white post, with metal partings 1 3 9   Strong black grey metal stone, with post girdles 3 3 0   White post 0 1 6   Strong white post, mixed with whin 0 3 6   Whin 0 2 0   Strong white post 1 2 0   Blue metal 0 1 6   Blue metal 0 1 1 6   Blue metal 1 1 1 6   White post 0 2 0   Strong white post 1 1 1 6   White post 0 2 0   Strong white post 1 1 1 6   White post 0 2 0   Strong white post 1 1 1 6   White post 0 1 0   Strong white post 1 1 1 6   White post 0 1 0   Strong white post 1 1 1 6   White post 0 1 0   Strong white post 1 2 0   Blue metal 1 1 1 6   White post 1 1 0 0   Strong white post 1 2 0   Blue metal 1 1 1 6   White post 1 1 0 0   Strong white post 1 2 0   Blue metal 1 1 1 6   White post 1 1 0 0   Blue metal 1 1 1 6   Blue metal 1 2 0   Blue metal 1 2 0   Blue metal 1 1 1 6   Blue metal 1 1 1 6   Blue metal 1 2 0   Blue metal 1 2 0   Blue metal 1 1 1 6   Blue metal 1 1 1 6   Blue metal 1 2 0   Blue metal 1 2 0   COAL, with hard slaty lumps or scare bands 1 3   Black slaty metal, mixed with coal 0 0 1 6   Blue metal 0 0 1 0   In blue and black slaty metal 0 0 1 2   Blue metal 1 1 1 6   Blue metal 1 1 1 6   Blu								
mixed with whin 0 5 9   Strong black grey metal stone, with post girdles 3 3 0   White post 0 1 6   Strong white post, mixed with whin 0 3 6   Whin 0 4 0   Strong white post, mixed with whin 0 3 6   Strong white post 0 1 6   Strong white post 1 1 0 0   Strong white post 0 1 0   Strong white post 1 0 0   Strong white post 1 1 0 0   Strong white post 1 0 0   Strong white post 1 1 0 0   Strong white post 1 0 0   Strong white po								
Strong black grey metal stone, with post girdles		·	_	•				
Strong black grey metal stone, with post gridles 3 3 0   Strong white post, mixed with whin 0 1 6   Strong white post 0 1 6   Strong white post 0 2 10   Strong white post 0 2 10   Strong white post 0 1 6   Strong white post 1 1 2 0   Strong white p		1	3	9				
metal stone, with post girdles 3 3 0 0 Vhite post 0 1 6 trong white post, mixed with whin 0 3 6 Vhin 0 2 10 Vhin 0 2 10 Vhite post 0 2 0 COAL or coal pipe partings 0 1 0 0 3 for your metal, with girdles or lumps 1 0 0 2 6 for y post girdles, with black and blue partings 1 0 0 trong white post, mixed with whin 0 2 0 drey and black metal stone 4 3 0		-	•	•				Strong white post.
Strong white post   1 2 0								
White post 0 1 6         Itrong white post, mixed with whin 0 3 6         Blue metal 0 4 0         Grey post 0 1 6         Blue metal 1 1 6         White post 0 1 0         0 1 6         Blue metal 1 1 6         White post 0 1 0         0 1 0         Seam — Ft. In.         COAL 6 9         COAL , with hard slaty lumps or scare bands 1 3         White post 0 2 6         White post 0 2 6         White post 1 3         White		3	3	0				
trong white post, mixed with whin 0 3 6 8 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 1 1 6 8 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 6 1 1 1 1 1 6 1 1 1 1 1 6 1 1 1 1 1 6 1			ĭ	6				
Mixed with whin   0   3   6   6   7   7   7   7   7   7   7   7		·	~					
White post		0	3	6				Blue metal 1 1 6
White post 0 2 0   Seam - Ft. In.   COAL 6 9   COAL 6 9				_		٠		
Seam								
Dartings       0   0   3   11   3   4		Ŭ	_	•				Seam— Ft. In.
Vhin 0 0 0 9 Vhite post 0 1 0 trong white post 0 2 6 trey metal, with girdles or lumps 1 0 0 trong white post girdles, with black and blue partings 1 0 0 trong white post, mixed with whin 0 2 0 trey and black metal stone 4 3 0		0	0	3				
Nin	partings				11	3	4	
Vhite post 0 1 0   trong white post 0 2 6   trong white post 0 2 6   trey metal, with girdles or lumps 1 0 0   trey post girdles, with black and blue partings 1 0 0   trong white post, mixed with whin 0 2 0   trey and black metal stone 4 3 0   trey and black metal stone 4 3 0   trey and black metal stone 4 3 0   trey and black metal stone 0 1 2   trey and black metal stone 4 3 0   trey and	Vhin	0	0	9		_	_	
trong white post 0 2 6 trey metal, with girdles or lumps 1 0 0 trey post girdles, with black and blue partings 1 0 0 trong white post, mixed with whin 0 2 0 trey and black metal stone 4 3 0								
Black slaty metal, mixed with coal 0 0 6 Blue metal 0 0 10 In blue and black slaty metal stone 4 3 0								
dies or lumps 1 0 0  trey post girdles, with black and blue partings 1 0 0  trong white post, mixed with whin 0 2 0  trey and black metal stone 4 3 0		-						
rey post girdles, with black and blue partings 1 0 0 In blue and black slaty metal 0 0 10 In blue and black slaty metal 0 1 2 orey and black metal stone 4 3 0		1	0	0				
with black and blue partings 1 0 0 Blue metal 0 0 10 In blue and black slaty metal 0 1 2 brey and black metal stone 4 3 0					'			
partings 1 0 0 In blue and black slaty metal 0 1 2 orey and black metal stone 4 3 0								
trong white post, mixed with whin 0 2 0 strey and black metal stone 4 3 0	partings	1	0	0				2740 176001 111
mixed with whin 0 2 0 trey and black metal stone 4 3 0								
stone 4 3 0		0	2	0				staty metal U 1 2
	rev and black metal							0 2
	•	4	3	O				
Carried forward 7 3 3 72 5 11 Total 91 3	Carried forward	7	3		72	5	11	Total 91 3

# No. 2,119.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Bored in a Staple near the Engine Pit, Walker Estate, 30 yards South-west, side of Waggonway, about 400 yards from Warcombe. May 25th, 1757.

Sunk to scaffold	Fs.	Ft.	In. Fs.		In.	Fs. Ft. In. Fs. Ft. In.
	-	0		U	U	Brought forward 11 0 0 11 0 0
Box		U	U			Black and grey metal
Soft grey metal, with		_	_			with small scares of
girdles or lumps	4	0	0			coal 1 0 0
					_	
Carried forward	11	0	0 11	0	0	Carried forward 12 0 0 11 0 0

# No. 2,119.—WALKER.—CONTINUED.

										•			
Brought forward	Fs. 12	Ft.	In.	Fs. 11	Ft.	In. 0	Brought forward	Fs. 2				Ft.	
White and grey post,							Black metal, scared				00	Ü	·
with scamy partings and water	6	0	0				with coal Grey metal stone, with	0	0	3			
OAL	0	0	8				post girdles and			_			
				18	0	8	Grey metal	$\frac{1}{0}$	$\frac{4}{2}$	0			
	0	3	9				Black metal	ō	ō	6			
White post	0		4				Grey metal stone, with post girdles	0	3	6			
	ŏ						Strong grey post,						
				1	0	9	mixed with whin Blue metal stone	_	1 4	0			
rey metal	0	2	0				Black slaty metal		4	ŏ			
rey cashy metal							Grey metal stone with post girdles	1	0	0			
stone, with post girdles and settled							COAL	ō		7			
the water	_		0							_	8	4	10
Frey metal	0		0 5				Grey metal	0	2	0			
			_	2	1	5	Strong grey metal						
Frey and blue metal	0	5	0				stone, with strong post girdles and						
rey and white post,	Ü	Ü	·				whin lumps Black stone	2		0			
with water or sul- phur	0	3	0				Grey and blue metal	0	U	10			
rey metal stone	ĭ	2	6				stone	1	3	0			
Black metal, with scares of coal	0	3	0				Strong white post Grey metal parting	0	1 0	6 3			
rey post, with metal	Ü	Ü					Strong white post	2	0	0			
partings	1	4	0				Whin, mixed with strong white post	2	0	0			
post girdles	4		0				Whin Strong white post,	0	5	0			
Black metal Frey and white post	1	$\frac{1}{0}$	0				mixed with whin	1	1	0			
$\mathbf{Whin} \qquad \dots  \dots$	0	1	3				Whin Strong white post,	0	3	6			
White post Whin	0	$\frac{1}{2}$	6				mixed with whin	3	4	0			
strong white post,							Whin Blue metal	0	0	11 0			
mixed with whin Vhite post, with hard	0	1	6				Strong grey metal	U	J	U			
girdles and scamy	_						stone, with a whin girdle near the bot-						
partings	$rac{4}{2}$		$\frac{0}{6}$				tom	0	1	6			
rey metal Vhite post	ī	$\overline{2}$	6				Strong blue metal, with girdles or						
trong white post, mixed with whin	1	0	0				lumps	0	4	0			
rey metal	1	4	6				Black slaty metal, with small scares of						
rey post	1	0	0				coal at bottom	0	1	0			
OAL	ō	o	8				Strong black and grey	0	1	6			
,			_	24	2	11	metal stone Strong white post,	J	1	J			
trong grov metal	0	0	9				mixed with whin, with whin girdles						
stone, with post							and some grey						
girdles	2	1	6				scames	0	4	0			
Black metal	U	0	9										
Carried forward	2	3	0	56	5	9	Carried forward	17	1	0	65	4	7

# No. 2,119.—WALKER.—Continued.

Brought forward Strong black and grey					Ft. 4		Brought forward 9 3 4 86 1 7  High Main Coal
stone, with hard girdles Blue and black metal,	0		6				Seam— Ft. In. COAL 2 11 Scare band or
with hard girdles or lumps and water COAL							brassy lump 0 1 COAL 2 11 Scare band or
Grey metal Strong grey and white				20	3	0	brassy lump 0 1 COAL 0 11 COAL, foul 1 5
post, with water Grey metal stone, with strong post girdles	6	5	0				$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
and water	2	4	0				Grey metal, with girdles or lumps 0 2 0
							In grey post 0 1 3 0 4 9
Carried forward	9	3	4	86	1	7	Total 98 0 0

March 1st, 1758.—Rods measured by A. Barnes, 88 fms. 1 ft. 5 ins.

# No. 2,120.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Strata bored through in Walker Ground, in the Fortune Pit. June 26th, 1757.

Fs. Ft. In. Fs. Ft. In.	Ft. In. Fs. Ft. In. Fs. Ft. In.
Sunk through clay to the scaffold 10 0 0  Box through clay below scaffold 3 0 0  Stony clay 6 0 0  Sand and gravel, mixed with clay 2 3 0	Brought forward 2 9 6 1 6 21 3 0 Black metal 0 5 COAL, but soft near the bottom 2 4 COAL, foul
	brassy 0 3 COAL 0 5
GOAL 1 4 Grey metal 0 1 GOAL 1 4	Black slaty metal, mixed with coal 0 1 7  COAL 0 0 4  In grey metal 0 0 10
Carried forward 2 9 6 1 6 21 3 0	Total 29 1 7

# No. 2,121.—WALKER.

## TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

## Account of a Borehole put down in the Draw-well Staple, at Walker Town.

Sunk to the scaffold Old borehole         12 0 0         Brought forward 0 4 0 59 0           Grey metal and metal stone, with whin girdles         2 1 6         Soft grey metal, with black scames         0 4 0           White and grey post, with water         0 3 0         Strong white post, mixed with whin 0 1 6         Strong white post, mixed with whin 0 1 0         Whin 0 1 0           Grey metal, with girdles or lumps and water         30 0 6         Grey metal 0 2 0         Grey metal 0 4 6           White post 0 1 8         Grey metal 0 2 0         Grey metal 0 0 7         Whin 0 0 7           Soft grey metal, with girdles and water 1 4 6         Grey metal 0 0 0 7         Soft black and blue metal 0 2 0           Soft grey metal, with girdles and water 1 4 6         Grey metal 0 1 6         White and grey post 0 2 0           Soft grey metal, with girdles and water 1 4 6         Grey metal 0 1 6         White and grey post 0 2 0           Grey metal, with girdles and water 2 0 1 0         3 2 9         Grey metal 0 1 0           Grey metal, with girdles and water 3 5 3         3 5 3								
Old borehole		Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In.
Soft grey metal and metal stone, with whin girdles 2 1 6   White and grey post, with water 0 3 0   Strong white post, mixed with whin 0 0 1 6   COAL 0 1 1 6   Grey metal, with girdles and water 1 1 6   Grey metal 0 0 0 0 9   Grey metal 0 0 1 0   Strong white post 0 0 1 1   Grey metal 0 0 0 0 6   Grey metal 0 0 0 0 7   Soft black and blue metal 2 0 0 0   Soft grey metal 0 1 0   Strong white post 0 1 0   Soft grey metal 0 1 0   Soft grey met	0111 1 1	O.	_		12	U	0	
Soft grey metal		27	0	U				
Grey metal								
White and grey post, with water         0         3         0         Strong white post, mixed with whin         4         2         6           Strong white post, mixed with whin         0         0         6         White         0         1         0         0         6         White         0         1         0         0         6         Grey metal         0         0         0         6         Grey metal         0         0         0         6         Grey metal         0				_				
with water         0         3         0           Strong white post, mixed with whin         0         0         6           COAL          0         1         6           Grey metal, with girdles or lumps and water          1         1         6           White post          0         1         8           White post          0         1         8           Soft grey metal, with girdles and water         1         4         6         6         6         6         7         8         9         1         6         6         6         7         9         0         0         7         1         6         6         6         7         8         9         1         6         6         6         1		2	1	6				
Strong white post, mixed with whim 0 0 1 6   GOAL 0 1 6   GoAL 0 0 1 6   Grey metal, with girdles or lumps and water 1 1 6   Grey metal 0 1 8   Soft grey metal 0 1 1 0   Soft grey metal 0 1 1 0   Grey metal 0 0 1 0   Grey metal 0 0 1 0   Grey metal 0 0 0 7   Soft black and blue metal 0 1 1 0   Grey metal 0 1 0 6   Grey metal 0 1 0 6   Grey metal 0 0 0 6   G	White and grey post,							
Mixed with whin   0 0 0 6   COAL		0	3	0				
Grey metal, with girdles or lumps and water	Strong white post,							
Grey metal, with girdles or lumps and water	mixed with whin	0	0	6				White post 0 0 6
Soft grey metal, with girdles and water   1	COAL	0	1	6				
Coal				30	0	6		
Soft grey metal, with girdles and water   1	Grev metal, with gir-							Grey metal 0 4 6
water          1         1         6           White post          0         1         8           Soft grey metal, with girdles and water         1         4         6           COAL          0         1         1           Soft grey metal          0         2         0           Grey metal, with girdles and water         3         5         3           White and grey post, with water         1         1         0         72         0           White and grey post, with water         1         1         0         72         0         72         0           Grey metal          0         1         0         72         0         72         0           Black metal, mixed with coal          0         0         4         6         5         3         8         8         8         8         6         8         8         9         0         0         0         0         6         5         3         8         9         0         0         0         1         0         0         0         0         0         0         0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
White post 0 1 8 Soft grey metal, with girdles and water 1 1 4 6 COAL 0 1 1 Soft grey metal 0 2 0 Grey metal, with girdles and water 3 5 3 White and grey post, with water 1 1 0 0 Grey metal 0 1 0 Strong white post 0 1 0 Grey metal 1 0 6 COAL 0 0 0 6 Grey metal 0 0 0 5 Grey metal 0 0 0 6 Grey metal 0 0 0 6 Grey metal 0 0 0 5 Grey metal 0 0 0 5 Grey metal 0 0 0 6 Grey metal 0 0 0 6 Grey metal 0 0 0 5 Grey and blue metal, with post girdles 1 2 6 COAL 0 0 0 9 Soft grey metal 1 1 0 White post 0 3 0 Grey metal 0 3 0 G		1	1	6				3371 7 1
Soft grey metal, with girdles and water         1         4         6           COAL          0         1         1         6         White and grey post         1         3<								
Soft grey metal		0	-	U				
COAL          0         1         1         0         2         0         1         1         0         2         0         1         1         0         2         0         1         1         0         0         1         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0 <td></td> <td>1</td> <td>1</td> <td>6</td> <td></td> <td></td> <td></td> <td></td>		1	1	6				
Soft grey metal 0 2 0  Grey metal, with girdles and water 3 5 3  White and grey post, with water 1 1 0  Grey metal 0 1 0  Strong white post 0 1 0  Grey metal 1 0 6  COAL 0 0 0 6  Grey metal 0 0 0 5  Grey metal 0 0 0 6  Grey metal 0 0 0 6  Grey and blue metal, with post girdles 1 2 6  COAL 0 0 0 9  Soft grey metal 1 1 0  White post 0 3 0  Grey metal 0 3 0	A A 1 1							
Soft grey metal        0       2       0         Grey metal, with girdles and water        3       5       3         White and grey post, with water        1       1       0         White and grey post, with water        0       1       0         Grey metal        0       1       0         Grey metal        0       0       6         GOAL        0       0       6         With coal        0       0       0       1         Grey metal        0       0       0       1       6       6       5       3         Black metal, mixed with coal         0       0       6       5       3       6       5       8       6       5       8       8       6       6       5       8       8       6       6       6       8       6       6       6       6       5       3       8       6       6       6       6       6       6       6       6       6       6       6       6       8       9       0       0	COAL	U	T	T	9	9	0	James Mills Brog Free
Grey metal, with girdles and water   3 5 3   8   8   9   10 0	Soft amou motal	_	0	_	9	_	9	
Milte and grey post, with water		U	4	U				
White and grey post, with water         1 1 0         72 0           Grey metal         0 1 0         72 0           Strong white post         0 1 0         72 0           Grey metal         0 1 0         72 0           Grey metal         0 1 0         72 0           Grey metal         0 1 0         72 0           Black metal, mixed with coal         0 0 6         72 0           White post         0 0 0 5         72 0           Grey metal         0 0 0 5         72 0           Scare band or brassy lump 0 1         72 0           COAL         1 2 6         72 0           Grey metal         0 0 0 6         72 0           Black and grey metal         0 3 0           Hard foul scare band coal         1 2 4           EoAL         1 2 4           White post         0 3 0           Grey metal <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>13 0 1</td>			_					13 0 1
with water          1 1 0 0         Grey metal          1 1 0 0         Grey metal          0 1 0         Boring continued, Oct. 29th, 1757:—           Strong white post         0 0 0 6         White post, with water in some places and coal pipes near the bottom         9 0 0           Black metal, mixed with coal         0 0 0 4         COAL         2 6           Grey metal         0 0 0 9         0 1 6         Scare band or brassy lump 0 1         COAL, with scares of brass at bottom         3 5           Whit post         0 0 0 6         Black and grey metal         0 3         Hard foul scare band coal         2 1           COAL         0 0 3 0         Hard foul scare band coal         2 1         1 2 4           White post         0 3 0         Blue and black slaty metal         0 3 0           Grey metal         0 3 3 9         Elue and black slaty metal         0 3 0           GOAL         0 0 6         In grey metal stone         0 2 0			Э	3				79 0 1
Grey metal          0         1         0         0         6         2         2         2         3         0			_	_				_
Strong white post          0         1         0         Grey metal          1         0         6         5         3         White post, with water in some places and coal pipes near the bottom          9         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0	~							
Grey metal        1       0       6         COAL        0       0       6         Black metal, mixed with coal        0       0       5         Grey metal        0       0       4         COAL        2       6         Grey metal        0       0       9         Grey metal        0       0       6         White post        0       0       9         Soft grey metal        1       1       2       6         COAL        2       1		0		_				Oct. 29th, 1757:—
Soft grey metal     1	Strong white post	0	1	0				White post, with water
COAL	Grey metal	1	0	6				
Black metal, mixed with coal 0 0 5 6	COAL	0	0	6				
Black metal, mixed with coal				_	6	5	3	0 0 0
with coal        0       0       5         Grey metal        0       0       9         Grey metal        0       0       9         White post        0       0       6         Grey and blue metal, with post girdles       1       2       6         COAL        3       5         Black and grey metal       0       3         White post        0       3         Grey metal        0       3       5         Blue and black slaty metal        0       3       0         Grey metal        0       0       2       2       3         Soft grey metal        0       0       1       0       2       0       1       2       0       1       2       0       1       2       0       3       5       8       1       2       4       1       1       2       4       1       1       2       4       1       1       2       4       1       1       2       4       1       1       <	Black metal, mixed							
Grey metal        0       0       4         COAL         0       0       9         Grey metal        0       0       0       1       COAL, with scares of brass at bottom       3       5         Black and grey metal        0       0       9       9       1       0       3       1       1       0       1       0       1       0       1       0       1       0 </td <td>with coal</td> <td>0</td> <td>0</td> <td>5</td> <td></td> <td></td> <td></td> <td>2041</td>	with coal	0	0	5				2041
Grey metal 0 0 9 0 1 6  Grey metal 0 2 0 0	Grey metal	0	0	4				
Grey metal	COAL	0	0	9				
Grey metal 0 2 0 0 White post 0 0 0 6 Grey and blue metal, with post girdles 1 2 6 GCAL 0 0 0 9 Soft grey metal 1 1 1 0 White post 0 3 0 Grey metal 0 3 9 Grey metal 0 3 9 Grey metal 0 0 0 6 Soft grey metal 0 0 0 6 Grey metal 0 0 0 6 Soft grey metal 0 0 1 0 Soft grey metal 0 1 0 0 5 Soft grey metal 0 1 0 0 5 Soft grey metal 0 1 0 1 0 Soft grey metal 0 1 0 5 Soft grey metal 0 1 0 1 0 Soft grey metal 0 1 0 5 Soft grey					0	1	6	Jane Jane Jane Jane Jane Jane Jane Jane
White post        2 0 0       0         Whin        0 0 6       at bottom       3 5         Grey and blue metal, with post girdles       1 2 6       Black and grey metal       0 3         Foot grey metal       1 1 1 0       0       0 3       0         White post       0 3 0       0       0       0       0         Grey metal       0 3 9       0	Grev metal	0	2	0				
Whin 0 0 6 6  Grey and blue metal, with post girdles 1 2 6  COAL 0 0 9  Soft grey metal 1 1 0  White post 0 3 9  Grey metal 0 3 9  COAL 0 0 6  Soft grey metal 0 3 9  COAL 0 0 6  Soft grey metal 0 1 0				0				
Grey and blue metal, with post girdles 1 2 6       1 2 6       metal 0 3         COAL 0 0 9       3 5 9         Soft grey metal 0 3 0       1 1 0       metal 2 1         White post 0 3 9       1 2 4         Grey metal 0 3 9       Blue and black slaty metal 0 3 0         GOAL 0 0 6       2 2 3         Soft grey metal 0 1 0       2 0 5			Ō					
with post girdles 1 2 6 COAL 0 0 9 Soft grey metal 1 1 0 White post 0 3 0 Grey metal 0 3 9 COAL 0 0 6 Soft grey metal 0 1 0  Soft grey metal 0 0 5 Soft grey metal 0 1 0			•	•				
COAL         0       0       9         Soft grey metal        1       1       0       0       1       0       0       1       0       0       1       0		1	2	6				
Soft grey metal 1 1 0 White post 0 3 0 Grey metal 0 0 6 Soft grey metal 0 1 0 1 0 Soft grey metal 0 1 0 1 0 Soft grey metal 0 1 0 1 0 Soft grey metal 0 1 0 5 Soft grey me	COAL							
Soft grey metal white post        1       1       0       0       1       0       1       0       1       0       1       0       1       0       0       1       0		U	U	o	Q	5	0	
White post 0 3 0 grey metal 0 3 9 Blue and black slaty metal 0 3 0 In grey metal stone 0 3 0 In grey metal stone 0 2 0 0 5	Soft gray motal	1	1		3	J	J	
Grey metal 0 3 9 metal 0 3 0  COAL 0 0 6  Soft grey metal 0 1 0  Soft grey metal 0 1 0								
COAL 0 0 6 In grey metal stone 0 2 0 In grey metal stone 0 5 0 5								
Soft grey metal 0 1 0 1 10 11 11 11 11 11 11 11 11 11 1	COAL		_	-				metal
Soft grey metal 0 1 0	COAL	U	U	6				In grey metal stone 0 2 0
~ 0 0	5 64	_				2	3	0 5 0
Grey metal 0 3 0		_						
	Grey metal	0	3	0				
Carried forward 0 4 0 59 0 0 Total 83 1	~	_			_			Total 83 1 5
Carried forward 0 4 0 59 0 0 Total 83 1	Carried forward	0	4	0	59	0	0	10tal 69 1 9

## No. 2,122.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. ,

, Long.

Account of the Boring in a Staple at Walker, about 100 yards to the North-west from the Engines. June 6th, 1759.

Approximate surface level

feet above sea (Ordnance datum).

Sunk to the box top				Fs. 7	Ft.		Fs. Ft. In. Fs. Ft. In. Brought forward 11 3 0 14 0 3
Box Stony clay	. 1 5	$\frac{1}{1}$	$\frac{0}{6}$	6	2	6	White and grey post, with water 2 5 0 Grey post, with coal
Soft blue and brown scamy metal	1	1	6	U	2	U	pipy partings          2         1         6           Grey scamy post          1         3         6
Grey and blue metal Soft black grey metal Black stone, with	0	4	0				COAL 0 0 5  In white grey metal 18 1 5
water Grey and white post							stone 0 1 6
Carried forward	11	3	0	14	0	3	Total sunk and bored 32 3 2

July 5th, 1759.—Rods measured by Mr. Barnes to 25 fms. 0 ft. 2 ins.

## No. 2,123.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58′ 54″, Long.1° 32′ 26″.

Account of Borehole in East Pit, Walker Colliery. July 2nd, 1770. Approximate surface level 48 feet above sea (Ordnance datum).

Sunk to scaffold	Fs.	Ft.	In.	Fs. 10	Ft. 5	In. 7	Fs. Ft. In. Fs. Brought forward 7 2 9 25		
Box	8	1	0				Whin mixture 0 2 0		
Grey and white post	6	3	0				Grey post and part-		
Grey metal	0	0	6				ings 0 4 6		
COAL	0	0	3				Grey metal stone, with		
				14	4	9	girdles 4 5 0		
Blue metal and girdles	4	5	3				Grey and white post 5 3 0		
Black stone, with a							Grey and blue metal 0 3 0		
small scare of coal							COAL 0 0 6		
at bottom	0	4	0				19	2	9
White and grey post	1	5	6				111		,
				_					_
Carried forward	7	2	9	25	4	4	Carried forward 45	1	1

# No. 2,123.—WALKER.—CONTINUED.

Brought forward   Grey metal, with girdles and water   2 0 0 0		Fs.	Ft.	In.	Fs.			Fs. Ft. In. Fs. Ft. Ir
Miles and water   2 0 0 0					45	1	1	
Black metal, mixed with coal 0 2 0	Grey metal, with gir-	_						
with mixture of whin girdles and water	***************************************	2	U	U				
whin girdles and water								
Strong grey metal stone and mixture   Strong grey metal   stone and mixture   of whin girdles   2 0 0   Black stone, mixed   with coal   0 0 0 6   Strong grey metal   stone and mixture   of whin girdles   2 0 0   Black stone, mixed   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0 6   Strong grey metal   stone and mixture   of with coal   0 0 0   Strong grey metal   stone and mixture   of with coal   0 0 0   Strong grey metal								
Stone and mixture of whin girdles 2 0 0		_	_					
dles and water        1       1       0         Black and blue metal       0       3       6         Grey post        1       4       6         Whin        0       1       6         Whin        0       1       6         Dark grey metal, with water        0       5       0         COAL        0       0       10       0         Grey metal        0       3       0       0       6       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0		1	3	0				
Black and blue metal 0 3 6 Grey post 1 4 6 Whin 0 1 6 Dark grey metal, with  water 0 5 0 COAL 0 0 10 .  Grey metal 0 3 0 Grey metal stone 2 4 0 Whin mixture 0 2 3 Grey metal stone 1 3 0 Grey metal 1 3 0 Grey metal 1 3 0 Black is blue metal 1 3 0 Black stone 0 0 6 COAL 0 0 6 Grey metal stone 2 4 0 Whin mixture 0 2 3 Grey metal stone 1 0 0 Grey metal 1 3 0 Black is blue metal 1 3 0 Black is blue metal 1 0 0 Grey metal 1 3 0 Black stone 0 0 6 COAL 0 0 6 COAL 0 0 1 2  Total 1 0 0 Grey metal 2 3 9 COAL and drift— High Main Coal Seam 1 0 0 Grey metal 2 3 9 COAL 3 3 0 3								
Grey post        1       4       6         Whin        0       1       6         Dark grey metal, with water        0       5       0         COAL        0       0       10          Grey metal        0       3       0       3       2       0         Grey metal stone        2       4       0       2       3       2       0        0 <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		_						
Whin        0       1       6         Dark grey metal, with water        0       5       0         COAL        0       0       10       0         Grey metal        0       3       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0								
Whin        0       1       6         Dark grey metal, with water        0       5       0         COAL        0       0       10       0         Grey metal        0       3       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0	Grey post			6				with coal 0 0 6
water 0 5 0 COAL 0 0 10 .  Grey metal 0 3 0 Grey metal stone 2 4 0 Whin mixture 0 2 3 Grey metal stone 1 0 0 Grey metal stone 1 3 0 Grey metal 1 0 0 Grey metal 2 3 9  COAL and drift—  High Main Coal Seam 1 0 0  Total		0	1	6				
Grey metal 0 0 10 .  Grey metal 0 3 0  Grey metal stone 2 4 0  Whin mixture 0 2 3  Grey metal stone 1 0 0  Grey metal stone 1 3 0  Blackish blue metal 1 3 0  Black stone 0 3 6  Grey metal 0 3 6  Black stone 0 3 6  Black stone 7 3 0  Blue metal 2 3 9  COAL and drift—  High Main Coal  Seam 1 0 0  Strong white post, with a mixture of whin in several places 7 3 0  Blue metal 2 3 9  COAL and drift—  High Main Coal  Seam 1 0 0	Dark grey metal, with							stone and mixture
Grey metal 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	_	-				whin girdles 1 0 0
Grey metal        0       3       0         Grey metal stone        2       4       0         Whin mixture        0       2       3         Grey metal stone        1       0       0         Grey metal        1       3       0         Blackish blue metal.       1       0       0       6         Grey metal        0       3       6         Black stone        0       0       6         GOAL and drift—       High Main Coal         Seam       1       0       0         Seam       1       0       0         Corried forward       61       1       10       0	COAL	0	0	10				
Grey metal stone        2       4       0         Whin mixture        0       2       3         Grey metal stone        1       0       0         Grey metal        1       3       0         Blackish blue metal        0       3       6         Grey metal        0       3       6         Black stone        0       0       6         COAL       3/4 Seam        1       0       0         GOAL       3/4 Seam        1       0       0         Coveried forward       61       1       10       0       Total       91       5					8	1	4	
Whin mixture        0       2       3         Grey metal stone        1       0       0         Grey metal        1       3       0         Blackish blue metal        1       0       0         Grey metal        0       3       6         Black stone        0       0       6         COAL       and drift			3	0				Strong white post,
Grey metal stone 1 0 0 Grey metal 1 3 0 Blackish blue metal 1 0 0 Grey metal 0 3 6 Grey metal 0 0 6 Grey metal 0 0 0 6 COAL—3/4 Seam 0 1 2	Grey metal stone	$^{2}$	4					with a mixture of
Grey metal	Whin mixture	0						whin in several
Blackish blue metal 1 0 0  Grey metal 0 3 6  Black stone 0 0 6  COAL 3/4 Seam 0 1 2	Grey metal stone	1		0				
Grey metal 0 3 6 Black stone 0 0 6 COAL—3/4 Seam 0 1 2	Grey metal	1	3	0				Blue metal 2 3 9
Black stone 0 0 6	Blackish blue metal	1		0				COAL and drift—
COAL—3/4 Seam 0 1 2 7 5 5 30 3	Grey metal	0	3	6				High Main Coal
	Black stone	0	0					Seam 1 0 0
Carried forward 61 1 10 Total 01 5	COAL—3/4 Seam	0	1	<b>2</b>				30 3
Carried forward 61 1 10 Total 91 5	•				7	5	5	
Carried forward 61 1 10 Total 91 5					_			
	Carried fo	rwa	$_{ m rd}$		61	1	10	Total 91 5

# No. 2,124.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

## Boring at intended New Pit, Walker Colliery (Jane Pit). February 22nd, 1790.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sunk in blue clay 0 5 0	Brought forward 20 2 0
Strong stony clay 3 0 0	Leafy clay , 0 1 6
Blue leafy clay 1 3 0	Sand, with a small
Strong brown and blue	mixture of clay 0 2 6
stony clay 11 3 0	In soft brown ramble,
Leafy clay, with small	with partings 1 1 6
beds of sand and	22 1 6
water at top 2 0 0	<b></b> - °
Sand, with a small	
mixture of clay 1 3 0	•
Carried forward 20 2 0	Total 22 1 6

# No. 2,125.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

The Second Place at Walker, 28 yards North-east from First Place, and 555 yards South 12° West from the Engine. March 24th, 1790.

Approximate surface level feet above sea (Ordnance datum).

Fs.	Ft.	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft.	_ In
Sunk in soil and leafy			Brought forward 18 3 0	
clay 1	0	0	Sand, with a mixture	
clay 1 Leafy clay 4	1	0	of clay 0 2 0	
Sand 0	0	3	Sand 0 1 6	
Stony clay, with small			Sand, with a mixture	
beds of gravel and			of clay 1 1 0	
a siping of water			Leafy clay 0 2 0 -	
at about 9 fms. from			of clay 1 1 0 Leafy clay 0 2 0 - Sand, mixed with clay 0 1 0	
surface 12	2	0	In soft brown sandy	
Strong leafy clay,	_	· ·	ramble, with soft	
mixed with sand at			scamy partings and	
top 0	3	Q	water 0 4 6	
Strong clay, with small	U	J	21 3	
sandy partings 0	9	0	21 3	,
sandy partings 0	4	U		
Carried forward 18	2	0	Total 21 3	-
Carried forward 15	9	U	100a1 21 3	_'

## No. 2,126.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Bored in King Pit, Walker Colliery. May 5th, 1794.

	Fs. Ft	In. Fs.	Ft. 1	n.		Fs.	Ft.	In. 1	s. Fi	. In.
Sunk to scaffold		42	0	0	Brought forward					8
Box	2 3	0			Grey and blue metal,					
Metal stone	1 3	0			with girdles	3	0	0		
White post	4 0	0			Grey metal stone					
Metal stone	2 0	0			White post, with part-					
White post	6 0	0			ings and water	6	5	9		
Grey metal and girdles	1 0	0			White post, mixed					
COAL	0 0	8			with whin	1	3	5		
		17	0	8						
		-		_						
Carried for	ward	59	0	8	Carried forward	12	3	2 5	9 (	8

#### No. 2,126.—WALKER.—CONTINUED.

Brought forward						In. 8	Fs. Ft. In. Fs. Ft. Brought forward 9 4 0 72 4	
Grey metal stone, with		•	_	••	·	Ü	Whin 0 2 0	0
post girdles		5	0				Strong white post,	
CÒAL	0	1	<b>2</b>				mixed with whin in	
	-			13	3	4	several places 5 4 0	
Grey metal							Black stone, with whin	
Strong white post			0				girdles 4 4 0	
Grey metal, with post							Strong white post to	
girdles		0	0				drift 3 0 11	
Strong white post,		_					23 2	11
with whin girdles	5	2	0					
a						_	m . 1 . 1 . 1	
Carried forward	9	4	0	72	4	0	Total sunk and bored 96 0	11
			_	_				

October 30th, 1794.—Rods measured by Mr. Barnes, 54 fms. 3 ft. 11 ins.

## No. 2,127.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Boring at Walker Colliery, 550 yards North 12° East from the Gosforth Pit.

Approximate surface level feet above sea (Ordnance datum).

	-	***		72 . T21	T . 1			T21	-		T21	*
~ .				Fs. Ft.	In.					rs.	Ft.	ın.
Sunk	0	5	0			Brought forward	11	0	4,			
Leafy clay	4	5	0			Stony clay, mixed with						
Strong clay, with whin						sand	0	<b>2</b>	0			
tumblers		2	6			Stony clay Clay, mixed with sand	0	<b>2</b>	0			
Stony clay, mixed with					1	Clay, mixed with sand	0	<b>2</b>	0			
sand	0	1	7			Sand, with a small						
Stony clay	0	3	0			mixture of clay, and						
Stony clay Sand, with water Stony clay	0	0	6			a siping of water					•	
Stony clay	0	0	9			In sand, with water	1	3	6			
									_	15	<b>4</b>	6
Carried forward	11	0	4			Total				15	4	6
Currica for ward		•	-			20002 111		•••	=		_	_

# No. 2,128.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.  $54^{\circ}$  58' 55'', Long.  $1^{\circ}$  32' 26''.

Bored in the Charlotte Pit, Walker Colliery, from the Main Coal Seam. November 2nd, 1801.

Sunk from surface to	Fs. Ft.	. In. Fs.	Ft.	In.	Brought forward	Fs.	Ft.		Fs. Ft.	
High Main Seam		100	0	0	Box		5	0		
Carried for	ward	100	0	0	Carried forward	0	5	0 1	100 0	0

# No. 2,128.—WALKER.—Continued.

Brought forward				Fs. 100			Fs. Ft. In. Fs. Ft. In. Brought forward 141 5 8
Grey metal, with					-		Grey metal, with
girdles  Metal Coal Seam—	4	5	0				girdles 2 0 0
Ft. In.							White post, with partings 5 5 0
COAL 0 6 Grey metal 1 3							Six-Quarter Seam—
COAL, with							COAL 0 10
sulphur 2 8	0	4	5				Blue metal 0 5
O			-	6	2	5	COAL 0 6 0 1 9*
Grey metal, with girdles	2	0	0				8 0 9
Black stone	1	3					Blue metal, with
COAL—Stone Coal	0	0	10	3	4	4	scares of coal at top 0 5 0
Soft grey metal	0	0	10				Five-Quarter Seam—
Strong grey metal							COAL, mixed Ft. In.
stone, with post girdles	6	5	0				with black
COAL-Yard Seam	0	2	9	_	_	_	stone 3 0 COAL 0 10
Grey metal, with whin				7	2	7	0 3 10
_ girdles	1	3	0				1 2 10
Black grey stone, with girdles or sulphur	0	2	0				Grey metal 0 2 0
Strong white post,	Ü	_	Ü				Grey post 0 4 0
mixed with whin and metal partings	5	0	0				Strong grey post, with a mixture of whin 5 1 0
Grey metal	1	3	8				Grey metal stone, with
Strong white post	1	1	0		_		whin girdles 1 2 6 Strong whin girdles 0 0 7
Whin Strong white post	$0 \\ 1$	5 5	0				Black slate 0 0 2
Black slate	0	0	2				Low Main Seam—
COAL	0	0	8	12	2	6	Ft. In.
Grey metal stone	2	3	0			-	COAL, ten- der 5 2
White post Grey metal, with post	1	3	0				COAL, with
girdles	1	4	2				small brass lumps and
Black stone COAL — Bensham	0	0	4				scare bands 0 11
Seam	0	3	0				1 0 1
Grey metal stone, with				6	1	6	<del></del>
girdles	2	3	0				Black slate, mixed with coal 0 0 3
and sulphur	0	0	3				With coat 0 0 3   Black grey metal 0 0 11
				2	3	3	0 1 2
Grey metal, with post	9	4					
girdles Ft. In.	2	4	8				
COAL 0 5 Hard band 0 6							
COAL 1 6	_						
	0	2	5	3	1	1	
							TD. (1)
Carried for	rwa	$^{\mathrm{rd}}$		141	5	8	Total $\underline{160 \ 2 \ 9}$

<sup>\*</sup> In another copy the section is recorded as 2 feet 9 inches.

## No. 2,129.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 13″, Long. 1° 31′ 55″.

Account of Strata sunk through in the A Pit, Wallsend Colliery, from the High Main to the Low Main Seam, 1821, together with Strata proved to Beaumont Seam.

To the High Main	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward 2 2 6 132 2 11
Seam				111	0	0	Yard Seam— Ft. In.
COAL, ground	0	3	0		•	•	COAL, good 1 6
1 11 11	ŏ	_	_				Band 0 4
Blue stone, with whin	U	0	O				COAL, good 1 6
	4	Λ	0				— 0 3 4
girdles	-31	U	U				2 5 10
Metal Coal Seam-							0 0 0
COAL Ft. In.							
Grey thill or							J 1
							Blue stone and whin girdles 1 0 4
COAL 2 3	Δ	3	3				1 9 _ 1
-	0	Э	9	5	3	3	COAL and stone 0 0 2
				Э	9	9	Grey post girdles 0 4 0
Grey thill	0	2	0				Grey thill and blue
Strong grey metal	1	3	6				girdles 2 1 3
Grey post	0	0	10				Grey post and whin 2 2 1
Blue stone and whin							Bensham Seam—
girdles	0	2	9				COAL, bad 0 2
Black stone-Stone							COAL, good 2 10
Coal Seam	0	1	7				Band 1 4
				2	4	8	COAL, bad 0 4
				2	48	o	COAL, good 0 9
Blue stone	1	1	5				COAL, mixed
COAL, splint	0	0	5				with stone 0 8
				1	1	10	— 1 0 1
D1-41 111	^	4	c				9 2 8
Dark thill	0	4	6				
Strong grey post	0	4	24				Sunk in a Staple 144 5 5
Strong blue stone	0	4	4				25 yards West of
Blue stone and strong	9	2	6				A Pit: - *
girdles	3	Z	O				Thill, mixed with
White post, mixed		-	10				ironstone 1 1 5
with whin	2		10				111111111111111111111111111111111111111
Coal pipes	0	0	2				Grey metal and post
Post, mixed with coal	^		-				girdles 1 2 0
pipes	0 2	4	7				COAL 0 0 3
Blue stone	_	0	1				2 5 8
COAL Ft. In.							Grey metal and post
							girdles 5 1 0
Band 1 1							Ft. In.
COAL 0 6							COAL, splint 0 8
	0	3	0				Grey metal stone 1 8
				11	5	2	COAL 0 6
			_		J	-	Stone $0 \ 0\frac{1}{2}$
Grey thill	0	3	0				COAL, good 1 3
Blue stone, mixed with							$041\frac{1}{2}$
ironstone	1	5	6				
Carried forward	2	2	6	132	2 2	11	Carried forward 153 4 2½
	_	_	_				

<sup>\*</sup> This is also stated to be a boring near G Pit. See No. 2,133.

# No. 2,129.—WALLSEND.—Continued.

Brought forward	Fs.	Ft	In. 1	Fs. I	't. 1	[n.	Brough	t for	ward	Fs. 1	Ft. 2	In. 8	Fs. 178		In. 3
Thill	0	1	0	,,,		-2				0	1	4			
Grey metal and post	•	9	11				Blue metal	•••	• • •	0	1	0			
girdles	$0 \\ 0$	$\frac{3}{2}$	$\frac{11}{6}$					• • •	•••	0	0	6 8			
Whin	1	õ	7				White post	•••	•••	0	0	7			
Grey metal Grey whin	ō	ĭ	3				***		•••	0	1	í			
Grey metal	ĭ	2	9				White post		• • •	ő	2	8			
Blue metal	1	2	6				Grey whin			ŏ	ĩ	Õ			
Black metal	0	<b>2</b>					****			0	1	0			
COAL	0	2	<b>2</b>	•			Blue metal,								
O 1	0	2	-8	6	1	6	stone gird	es		6	0	3			
Grey stone	0	0	4				COAL	• • •		0	0	5	9	0	9
COAL, splint				0	3	0							9	2	2
Grev stone	0	٥	11 <del>}</del>				Blue metal	•••	•••	0	0	47			
Grey stone COAL	0		112					• • •	•••	1	2	8 <del>1</del>			
OOAL				0	1 1	01	Grey post Blue metal		•••	0	1	$3\frac{1}{2}$			
en 11	Λ	1	6			2	Black metal			ő	_	$10\frac{1}{3}$			
Thill	0	1	6				Grey metal			ŏ	ŏ	45			
Grey metal Post girdles, with blue	U	1	U					•••		0	4	7			
metal partings	3	5	6				Beaumont S	eam-							
Blue metal	ī	5	6				0041		Ft. In.						
Black metal	0	0	9				COAL	• • •	2 11						
Low Main Seam-							Grey stone		0 4						
Ft. In.							Grey stone		1 3						
COAL 1 9 Band 0 1							COAL		1 5						
Band 0 1 COAL 1 0							• • • • • • • • • • • • • • • • • • • •			1	0	6			
Band 0 3													3	5	3
COAL 2 5							Thill			0	2	0			
	0	5	6				Grey metal,	with		•	_	•			0
			—	7	2	3	girdles	•••	*	1	3	7			
Bored further, in 1824.							Black metal			0	<b>2</b>	7			
in same Staple							Grey post			0	0	8			
25 yards West of							White post			1	3	3			
Shaft := * White thill	0	5	8				COAL			0	0	7	4	0	
Grey post	0	5	7										49	U	8
Grey scamy post	ō	5	ò				Thill			0	0	10			
White post	0	2	0				Grey metal,		post	-					
	0	3	2				girdles	•••		$\frac{1}{0}$	2 3	3			
Grey metal	0		0				Blue metal	•••			1	0		-3	
	0	5										U		7	
Grey metal White post Grey post	0	3	0				COAL	•••	• • • •	0	1		2		
Grey metal White post Grey post White post	0 1 2								•••	_		11	2	_1	1
Grey metal White post Grey post White post Blue metal mixed	0 1 2	$\frac{3}{2}$	8				Thill			0	1	11	2	_1	-
Grey metal White post White post White post Blue metal. mixed with post girdles	0 1 2	3 2 5	0 8 0				Thill Blue metal				1 0	0	2	. 1	
Grey metal White post White post White post Blue metal. mixed with post girdles White post	0 1 2 0 0 0	3 2 5 4	0 8 0 11				Thill			0	1	0	2	2	
Grey metal White post White post Blue metal. mixed with post girdles White post Blue metal	0 1 2 0 0 0	3 2 5 4 0	0 8 0 11				Thill Blue metal COAL			0 1 0	1 0 0	5			
Grey metal White post White post White post Blue metal. mixed with post girdles White post	0 1 2 0 0 0	3 2 5 4 0	0 8 0 11 7	10	1	5	Thill Blue metal COAL Thill			0 1 0	1 0 0	0 5 0			
Grey metal White post White post White post Blue metal. mixed with post girdles White post Blue metal	0 1 2 0 0 0 0	3 2 5 4 0 0	0 8 0 11 7 10	10	1	5	Thill Blue metal COAL Thill Grey metal			0 1 0 -	1 0 0 2 1	0 5 0 4			
Grey metal	0 1 2 0 0 0 0	3 2 5 4 0 0	0 8 0 11 7 10	10	1	5	Thill Blue metal COAL Thill Grey metal Grey metal			0 1 0 0 0 0	1 0 0 2 1 1	0 5 0 4 8			
Grey metal	0 1 2 0 0 0 0 0	$\begin{array}{c} 3 \\ 2 \\ 5 \\ 4 \\ 0 \\ 0 \\ \end{array}$	0 8 0 11 7 10 6 6	10	1	5	Thill Blue metal COAL Thill Grey metal			0 1 0 0 0 0	1 0 0 2 1 1	0 5 0 4 8			
Grey metal	0 1 2 0 0 0 0 0	3 2 5 4 0 0	0 8 0 11 7 10 6 6 2	10	1	5	Thill Blue metal COAL Thill Grey metal Grey metal			0 1 0 0 0 0	1 0 0 2 1 1	0 5 0 4 8	1	2	
Grey metal	0 1 2 0 0 0 0 0 0 0 0 0 0 0	3 2 5 4 0 0 1 1 1 3 0	0 8 0 11 7 10 6 6 2 6	10	1	5	Thill Blue metal COAL Thill Grey metal Grey metal			0 1 0 0 0 0	1 0 0 2 1 1	0 5 0 4 8	1	2	
Grey metal	0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 2 5 4 0 0	0 8 0 11 7 10 6 6 2 6	10	1	5	Thill Blue metal COAL Thill Grey metal Grey metal			0 1 0 0 0 0 0	1 0 0 2 1 1	0 5 0 4 8 1	1	2	

<sup>\*</sup> This is also stated to be a boring near G Pit. See No. 2,134.

# No. 2,130.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 43″, Long. 1° 31′ 58″.

Account of Strata sunk through in the C or Gas Pit, Wallsend Colliery.
October 18th, 1784.

Fs. Ft. In. Fs. Ft. In.   Fs	Ft. In
White post, with water 5 0 0 5         White post, with metal partings 2 5 0           Grey metal stone, with post girdles with whin girdles and scamy partings 2 2 0         5 0 5           Grey metal stone, with post girdles 13 0 0         White post, with mixture of whin girdles, metal partings, and much water 4 1 3           Blue grey metal 0 1 6         White post, with metal partings 1 4 6           Whin 0 0 6         Strong white post 0 1 0           Grey metal stone, with post girdles 13 0 0         Grey metal stone 0 3 3           White post 0 2 6         Soft black and blue metal, with water 3 0 0	
metal partings 2 5 0 0	
White post, with mixture of whin girdles, metal partings, and much water 4 1 3	
ture of whin girdles, metal partings, and much water 4 1 3  Blue grey metal 0 1 6  White post, with metal partings 1 4 6  White post, with metal partings 1 4 6  White post, with metal partings 1 4 6  White post girdles 0 0 0 6  Strong white post 0 1 0  Grey metal stone 0 3 0  White post 0 3 0  White post 0 3 0  Soft black and blue metal, with water 3 0 0	
metal partings, and much water 4 1 3	
much water 4 1 3	
Blue grey metal 0 1 6	
White post, with metal partings	
partings 1 4 6	
with whin girdles and scamy partings 2 2 0 Whin 0 0 6 Strong white post 0 1 0 Grey metal stone 0 3 0 White post 0 3 0 White post 0 2 6  Figure 1 2 2 0 Strong white post 0 3 3 Soft black and blue metal, with water 3 0 0	
and scamy partings 2 2 0	
Strong white post 0 1 0   Grey metal stone 0 3 3   Soft black and blue   metal, with water 3 0 0   Grey metal stone 3 0 0   Grey metal stone 0 3 3   Soft black and blue   metal, with water 3 0 0   Grey metal stone 0 1 0   Grey metal stone 0 3 0   Grey metal stone 0 3 0   Grey metal stone 0 3 0   Grey metal stone 0 1 0   Grey metal stone 0 3 0   Grey metal stone 0 0   Grey	
post girdles          13         0         0         Grey metal stone          0         3         3           Vhite post          0         3         0         Soft black and blue         metal, with water         3         0         0	
Whin 0 3 0 metal, with water 3 0 0	
Whin 0 2 6 metal, with water 3 0 0	
1 0 0	
Strong white post,	
with willing gridles	
and metal partings o U	
rey metal stone 2 0 0	
OAL, foul 0 1 0 Strong white post,	
with with gridles 9 2 0	
77 11111	
rey metal stone, with Grey scamy post, with	
girdles 1 0 0   coal pipes 1 4 0	
Whin 0 2 6 Blue grey metal 0 2 4	
White post 0 4 6 Grey and white post 0 2 3	
rey metal stone, with Grey metal stone 0 1 2	
water 0 4 0 White and grey post 0 2 4	
Black grey metal 0 1 3	
dles and catheads 0 3 0 Grey scamy post gir-	
0.26	
gitales 2 1 0	
Grey metal stone and	
5 3 9   post girdles 1 0 6 Black grey metal 0 2 2	
Black grey metal 0 2 2	
rey metal 0 1 6 COAL—High Main	
Vhite post 0 3 6 Seam 1 0 0	
rey metal stone, with	e .
girdles 1 3 3	5
Whin 0 0 9	
Frey metal and metal	
stone 1 5 3	
White post 4 0 0	
Total 102	4
Carried forward 8 2 3 67 4 9	

# No. 2,131.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 43″, Long. 1° 31′ 58″.

Strata bored through in the East Pit Workings, Wallsend Colliery, to the South of Green's Freehold, and about 100 yards East of the Shaft, from the Thill of the High Main Coal Seam.

							-,					_	
Sunk a staple in thill	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 35		In.
and grey metal				1	2	0	Dark slaty metal, with				-	_	ŭ
ronstone girdle	0	()	8	•			sulphur	0	0	0			
rey post	0	3	0				COAL, with sulphur		0				
rey metal, with a							Dark slaty metal, with	U	U	'			
sulphurous blower							sulphur	Λ	0	6			
1 fathom from top	4	0	4				COAL, slaty		ŏ				
rey post girdles and							Slaty metal	0					
metal partings	4	2					COAL, coarse, with	U	0	-			
OAL, foul	0	0	4				sulphur and water	0	3	0			
rey metal stone	0	4	0				surplier and water	U	v	U			
trong white and grey										-	0	5	7
post	8	1	8				/DL:11	^	^	•			
post	0	0	5				Thill		0				
							Dark grey metal	0	1	9			
				18	0	5	Black slaty metal	0	T	2			
*1 *1							Grey metal stone,						
Vhite post	2	0	0				with post and whin		0	_			
ark brown metal	2	0	5				girdles	4	z	6			
aty stone, mixed	^	^	_				Dark grey metal stone,						
with coal	0	0	5				with post and whin	_		_			
rey metal stone,							girdles	0		0			
with post and whin	_	_	_				Whin	0	1	0			
girdles		0					Dark grey metal stone,	^					
trong white post		0					with whin girdles		4	6			
rey metal stone		0					Whin mixture	0	2	0			
trong white post		3	0				Whin girdle and metal	^		_			
rey metal stone	3	3	0				stone partings	0	4	0			
lack metal, mixed	_		_				Metal stone, with		_	_	-		
with foul coal	0	1	0				white post girdles	1	1	6			
ark grey metal, with							COAL, with sulphur,						
girdles	0	1	3				a small scare of band						
							18 inches from top,						
Bensham Seam-							and band 4 inches						
Ft. In.							at 1 yard from top	1	0	2			
OAL 1 5											•		
ark grey metal 0 5							1			_	9	4	1
OAL 0 11													1
5 11	0	2	9										1
	0	~	-		_								1
			_	15	5	10							
											40	^	-
Carried for	war	f		35	2	3	Total		••	_	46	0	Z
						-				_			

# No. 2,132.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 10", Long. 1° 31′ 43".

Account of Strata sunk through in the F Pit, Wallsend.

~			Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft.	
Soil and stro		ciay,	_		^				Brought forward 64 3	4
with tumbl	lers	•••	8	4	0				Thill 0 2 0	
Brown post	• • •		2	1	0				Grey metal stone 1 1 0	
Soft grey me	etal	stone	4	0	0				$ \text{Grey post}  \dots  \dots  0  5  0 $	
White post			0	1	0				Black stone 0 3 8	
Grey metal st	tone		5	.0	0				COAL 0 0 4	
			2	1	0				• • •	
Grey metal st			1	1	4				3 0	C
XXXX .			ō	ō	8				Thill 0 2 6	
WILLIAM .	• • •	• • • •			Ŭ			*	Grey metal stone 0 2 6	
Strong white	and	grey	-						Grey post 0 1 6	
post, with			14	1	6				White post 0 4 6	
Black stone		•••	0	4	0				D1 1 7	
0041			ŏ	ō	8					
OOAL	•••				_	38	3	2	COAL 0 0 11	
						00	o	_	2 1	7
Thill			0	2	0				Thill 0 2 0	•
Grey post			0	4	6					
			0	1	6				Grey metal stone 4 1 0	
****			0	1	8				COAL 0 0 3	
0 1			1	1	0				<del></del> 4 3	:
Blue metal st			ō	3	6					•
			2	ő	6				Grey metal stone 2 0 9	
U 1	···		2	ő	8				Grey post 2 0 9	
Blue metal st			1	0	0				White post 4 4 3	
	•••	•••	_	-	-				Blue stone 0 0 6	
	• • •	•••	0	2	4				Grey metal stone 0 3 0	
	• • •	• • •	2	3	2				Black stone 0 1 0	
	• • •		0	2	0				Grey post 0 5 6	
COAL			0	0	2				Blue metal stone 0 1 8	
						11	5	0	Black stone 0 1 4	
			_	_			•	·	Grey post 1 3 0	
Grey thill			2	1	4				D1 1 1 0 4 0	
Grey post			0	5	0	1			0041	
Whin			0	2	0	1			COAL 0 0 3	
White post		: • •	0	0	6				16 2	; (
Whin			0	2	3				Grey thill 0 1 8	
White post, w	vith	water	6	5	9	1				
COAL			0	0	8				1	
		• •	•		_		_	•	Whin, very irregular 0 4 0	
						10	5	6	White post 3 0 0	
Grey thill			0	1	8				Whin, very irregular 0 4 6	
Grey post			ō	5	ō				White post 0 3 0	
Blue metal s			ĭ	2	ŏ				Grey post, with scares 3 0 0	
COAL			ō	ĩ	2				Grey metal stone 0 5 7	
OOAL	•••		J	-	4				COAL — High Main	
			_			. 2	3	10	Seam 1 1 $0\frac{1}{2}$	
Thill			0	3	0					0
COAL	•••	•••	ő		10				12_1	9
COAL	•••	•••	U	U	10				Outset of pit 0 3	0
						0	3	10	2	
	Com					64	9	4	Total · 103_2	11
	Car	ried f	OFW	ard		04	3	4		

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,133.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 30¼″, Long. 1° 30′ 56″.

Account of Strata sunk through in the G, George, or Church Pit, Wallsend Colliery, together with a Boring from the Low Main Seam.

	Fs. Ft	. In.	Fs.	Ft.	In.	Fs, Ft, In.	Fs.	Ft.	In.
Outset	22, 20		2	ö			58	3	6
Yellow clay	1 1	8				Thill 0 1 10			
Blue clay	2 1	1				White post 0 3 0			
Leafy clay	1 3	3				Grey metal 0 0 6			
Stony clay	9 2	0				White post 1 3 10			
Sand, very wet	0 0	3				Black metal 0 0 2			
Stony clay	2 1	2				Thill 0 2 1			
Sand	$\bar{0}$ $\bar{0}$					Blue metal 0 3 11			
Stony clay	9 4					COAL 0 0 4			
Stony clay		_	26	2	0		3	3	8
	(0 2	0				Thill 0 4 2	Ŭ	•	-
Blue metal stone	$\begin{cases} \frac{1}{2} & 0 \end{cases}$				*	Grey metal 0 5 10			
C	0 4					Blue metal 2 5 6			
Grey post		_				Grey post and girdles 0 3 0			
Grey metal stone	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7				1171			
White post		-				0 0 0 0			
White post, with water	$\frac{2}{2}$					1171.4			
Blue metal	0 5					D1			
White post	0 2					0041			. 1
Blue metal parting	0 0					COAL 0 0 4	8	0	3
White post, wet	1 4	•				Thill 0 2 0	0	U	9
Blue metal parting	0 1	0							
White post	2 1								
Grey metal	0 0								
White post	1 1								
Grey shivery post	0 0								
White post	1 1	-							
COAL	0 0	5		_	_	Post girdles 0 0 3			
			16	5	9	Blue metal to a part-			
Thill	1 3	0				ing 0 3 0			
Post girdles and metal						Blue metal 0 4 11			
partings	1 0	9				Three-Quarter Seam— Ft. In.			
Blue metal	0 1					COAL 1 0			
Thill	0 0	_				Thill 3 0			
Grey post	i i					Blue metal 0 9		•	
Blue metal	$\overline{1}$ 4					COAL 0 10			
COAL	0 0					— 0 5.7			
			6	0	3		4	ĺ	2
White post	1 1	0	Ů	·	•	Thill 0 0 6	-30	-	-
Cash parting, with									
water	0 0	3				Dl.,			
7771 *4	1 2					Dlask			
C1	3 1					COM			
TD1	1 0					COAL 0 0 1	1	5	11
Ft. In.	1 0	U				White ment	1	o	11
COAL						White post 0 1 0			
Thill 1 2						Grey scamy post 0 2 2 Blue metal 0 2 7			
COAL 0 2						D111-1 0 0 4			
0 Z	0 1	6				Black metal 0 3 4			
	0 1	o	. 7	1	c	COAL 0 0 1	-		0
			•	1	6		1	3	2
Carried for	Trond.		50	9	6	C		-	_
Carried for	waru		<b>5</b> 8	3	O	Carried forward	77	5	8

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,133.—WALLSEND.—CONTINUED.

												_
Down hat formered	s. Ft.	In.				Dwaraht' fammand	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward Thill	0 2	0	77	5	o	Brought forward Thill	0	1		20	3	o <del>ģ</del>
T 14474	0 3	3				Grey metal, mixed with			J			
2240	0 0	6				ironstone girdles	0	3	4			
-			0	5	9	Post girdles	0	4	0			
	0 2	0				Black metal	2	1	7			
Circy Little III	0 3	3				COAL	0		10			
L'all	$\begin{array}{cc} 0 & 3 \\ 0 & 2 \end{array}$	6				Grey metal stone	0	0	10			
Tribite Britains	0 1	6				Grey metal stone	ő	-	10			
Date Date I	0 3	ŏ				COAL	ŏ	ŏ	2			
	0 5	0								4	1	4
Grey metal post	0 2	0				Thill	0	-	10			
	0 2	- 7				White post	1	5	<b>2</b>			
	0 2	5				Grey metal, mixed			_			
COAL, splint	0 0	8	1	9	11	with whin girdles	2	4	0			
Divergetel	0 5	4	4	3	11	Blue metal, mixed with	0	3	6			
	00					ironstone girdles COAL — Stone Coal	J	o	U			
Transport Burney	64	9				Seam	0	1	4			
The state of the s	0 0	7					ŭ	_	_	5	0	10
			7	5	7			_	_	Ð	z	10
Thill	0 1	6				Thill	0	1	0			
Grey post girdles	0 3	1				White post	2	5	0			
Blue metal	0 2	9				Whin	0 2	$\frac{2}{1}$	5° 6			
Direct Branch	0 0	9				Grey post COAL, mixed with	4	T	O			
	0 5	5				stone	0	'n	11			
Z ODD BILLION III	0 2	0				stone	U	U	11	_		10
0041	0 3	2							_	5	46	10
COAL	0 0	11/2	2	0	01	Blue metal, mixed with						
Thill	0 1	0	υ	0	<u>ज्</u> र	ironstone girdles	1	1	9			
	0 4	4				COAL-Yard Seam	0	3	$6\frac{1}{2}$			
Black metal or black		-								1	5	$3\frac{1}{2}$
	2 5	5				Thill	0	1	0			_
	0 0	11				Grey metal, mixed	Ů	_	•			
-			3	41	$0\frac{1}{2}$	with ironstone gir-						
Thill	1 1	6			_	dles	1	3	4			
Main post 10	0 0	7				White post	0	5	4			
Blue metal, with gir-		_				Grey metal, mixed						
	2 2	0				with whin girdles	2	0	0			
High Main Coal Seam— Ft. In.						Blue metal, mixed with			=			
COAL 6 71						ironstone girdles	4	$\frac{2}{0}$	5 21			
COAL, ground 2 2						Black metal	0	U	$3\frac{1}{2}$			
	1 2	91	1			Bensham Seam-						
			15	0 1	$0^{1}_{2}$	Ft. In.						
	0 3	10				COAL, crow 0 2						
Blue stone, with whin		_				COAL, top 2 8						
	4 0	2				Splint and stone 0 6						
	1 4	4				tom 1 5						
Metal Coal Seam— Ft. In.						tom 1 5		,	0			
COAL 0 6							0	4	9			
Band 0 6										9	5	$1\frac{1}{2}$
COAL 2 6												
10.0	0 3	6		_								
-		_	6	5	10				_			
O 1-10	3			9	91	Total			*1	47	4	$8\frac{1}{2}$
Carried forward	ard	1	20	3	32				=			

<sup>\*</sup> A reputed boring below the Bensham Seam is contained in Section No. 2,129.

# No. 2,134.—WALLINGTON.

#### TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Bored 132 yards North-west of Wallington Hall Stables.

Approximate surface level

feet above sea (Ordnance datum).

								_
Sunk to the scaffold	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward 8 5 0 7 0	
in clay				7	0	8	Blue metal 0 5 0	
Box	1	4	6				COAL, with water,	
Stone clay	1	3	0				but will not cake 0 1 6	
Stone clay Brown post	0	3	0				9 5	6
Grey metal	2	0	6				In strong post, mixed	
White and brown post,							with whin 0 .0	4
with scamy partings		0	0					
	_			_				_
Carried forward	8	5	0	7	0	8	Total <u>17 0</u>	•

# No. 2,135.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

#### First Place, in the West Plantation.

							Fs.	Ft.	In.	Fs.	Ft.	In	
Soil				•••		 	0	1	0				
Stony cl	lay,	with	beds of	sand an	d water	 	2	0	0				
Whin					•••	 	0	0	9				
Stony cl	av					 	0	4	3				
Whin						 	0	1	0				
Stony cl						 	2	5	0				
In whin	. •					 	0	0	9				
										6	0		9
													-
				Total		 				6	0		9

## No. 2,136.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

Second Place, in the Park, South-west from the Hall.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil							0	1	6				
Stony clay							2	0	0				
Brown and	blue ram	ble,	mixed	with clay	and	water	3	3	0				
Stony clay								4					
Clay, with f	reestone	tum	blers				1	0	0				
In stony cla							2	4	0				
•	•									19	1	0	
			Total							19	1	0	
									_			_	

#### No. 2,137.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

Bored Two Little Holes North-east from the First Hole, in the Plantation, and put off by whin tumblers.

Approximate surface level feet above sea (Ordnance datum).

# No. 2,138.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

, Long.

## Third Place, in the Bought Leases.

Soil Stony clay,		 mix		 gravel,	Fs. 0			Fs.	Ft.	In.
water					 1	2	3			
Grey post to	umblers			 	 0	1	0			
Stony clay				 	0	1	0			
Whin				 	 Ô	ō	3			
					 			2	0	0
er .										_
			Total	 				2	0	0

## No. 2,139.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

Fourth Place, in the Bought Leases.

Approximate surface level feet above sea (Ordnance data

Approxin	ate	sur	face	level	feet a	bove	sea	(Ord	nanc	e d	atu	ım)			
Soil Strong clay, mixed with sand, gravel and water Blue stony clay Whin Brown post Blue metal Blue metal stone	2 7 0 1 1 0	1 0 0 0 3 0 1	6 - 0 6 6 0 0 6	s. Ft. In.	Bi St Gi	Brown post, the wrong rey ar with	and and vater brov	l set  vn po prown al par	awa st pos rting	d 1 y y  t,		Ft. 1 4 1 4	0 0 0	14	Ft. 1
Carried forward	12	1	0		1			Tota	al .	••		• • •	=	14	4
		No	. 2,	140.—	WAL	LIN	GT	ON.		-					
T	OWN	SHI	POF	WALLIN	GTON,	NOR	THU	мвен	LAN	D.					
Sheet 7	of	Ord	lnanc	е Мар.	Lat.	•		, L	ong.						
Fifth Place, bo				-		and i above	_							ers.	
Strata	•				<u></u>			•••		3	Fs. 3		i. Iı		
		No	. 2,	141.—`	WAL	LIN	GT	on.							
Te	)WN		•	WALLI					LAN	D.					
Sheet 7	0 of	Or	dnan	се Мар.	Lat.	•		,	Long	<b>3</b> .					
			$\boldsymbol{B}$	ored in .	Elliot	s Sta	ple.								
Approxim	ate	sur	face	level	feet a	bove	sea	(Ord	nanc	e d	atu	m)			20
Brown post Grey metal COAL								0	. Ft. 2 0 1	In. 6 6 3				,	•
Grey metal				•••						-	0	0			
				Total	•••						0	5	0		

## No. 2,142.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

Bored Two Little Holes near the Ice-house, and put off by whin tumblers.

Approximate surface level feet above sea (Ordnance datum).

## No. 2,143.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Sixth Place, about 40 yards North-east from the Ice-house.

Approximate surface level feet above sea (Ordnance datum).

A		771	-	77 731 Y				_	-		_
G-21		1 Tt.		Fs. Ft. In.	Duonaht fammand				Fs.	Ft.	In.
Soil					Brought forward			4			
Blue stony clay	1	4	6		Brown freestone	0	0	8			
Gravel, with water	0	<b>2</b>	0		Stony clay		0	0			
Sand and gravel					Strong grey freestone	0	0	8			
Stony clay, with a		-			Stony clay	2	0	4			
mixture of sand	0	2	0		Limestone	0	٠1	2			
Blue stony clay	- 2	0	0		Stony clay	5	0	0			
Limestone	0	1	0		Stony clay, with beds						
Blue stony clay	1	5	0		of sand and water	<b>2</b>	0	8			
Grey freestone	0	0	9		In whin	0	0	2			
Stony clay	0	1	3						19	1	0
Limestone	0	1	4								
Carried forward	8	3	4		Total				19	1	0
					I			=	_	_	=

## No. 2,144.—WARDEN.

TOWNSHIP OF NETHER WARDEN, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat.

, Long.

Bored at Warden, near Hexham, upon Mr. Nicholas Leadbitter's Property.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel						1	0	0			
Hard fine freestone						5	0	8			
Blue plate						5	3	4			
Freestone				,		3	0	6			
In dark blue plate				edito-		0	1	0			
Strata proving to b	e the	same	as Fall	lowfield	l, the						
hole was stopped.	CC	AL, 5	ft. 6	in, supp	osed						
to lie at						16	0	6			
									31	0	0

Total

# No. 2,145.—WARDLEY.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.  $54^{\circ}$  57' 6'', Long.  $1^{\circ}$  31' 24''.

Section of Strata sunk through at Wardley Colliery, near White Mare Pool, Durham.

Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft.	In. Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0 1	0			Brought forward	_			32	0	$9\frac{1}{2}$
Blue clay	1 2	0			Grey post	1	0	$5\frac{1}{2}$			
Dun post	1 5	0			Grey metal, and post	_		_			
Blue metal, with iron-					girdles	0	3	5			
stone and girdle		^			Blue metal	1	1	10			
balls	1 3	0			Black stone	0	2	0			
COAL	0 1	3.			Grey metal	1	0	8			
a 11 111 1		5	0	3	White post	0	3	0			
Grey metal, with iron-	Λ 0	c			Grey post	1	2	4			
stone balls	$\begin{array}{ccc} 0 & 2 \\ 0 & 1 \end{array}$	6 9			Blue metal	0	0	8 5			
COAL	0 1	_ 0	4	3	White post	4	5 4	1			
Eine elev	0 5	0	-30	o	White post	4 0	3	0			
Fire clay Grey metal	0 2	ŏ			Strong grey metal Strong grey metal	4	3	6			•
Brown whin	ŏī	4			Strong white post	3	ő	9			
Grey post, with whin	0 2	8			Grey metal	ő	1	2			
Grey metal, with	-	-			Post, mixed with whin	4		- 6			
water	1 3	6			COAL	ō	٠٥	5			
Post, with metal part-		•							29	0	$2\frac{1}{2}$
ings	0 4	0			Doct on 3 him	Δ				•	-2
White post, with					Post and whin	0	4	2 5			
water	44	0			Blue metal	2	0	10			
Blue metal	0 2	4			COAL	·	U	10	2	5	5
COAL	0 0	8			70.1.4	_	_	_	2	υ	J
		— 9	1	6	Black stone	0	0	9			
Thill stone	0 4				Seggar clay	0	4	6			
Grey metal	1 3				White post	9	2 0	0 5			
COAL	0 0		_		Blue metal parting	0 4	5	0			
		2	1	10	White post Strong grey metal	2	5	0			
Thill stone	1 0				Grey post	ĩ	4	ő			
Grey post and girdles		-			Blue metal	ō	`4	ŏ			
COAL	0 0	$\frac{10}{-}$ 4	3	6	COAL	ŏ	ī	4			
Samon alay	0 2		J	U		_			20	3	0
Seggar clay Grey metal	2 2				Seggar clay	0	1	6			
00.41	õõ				Strong thill stone,	U	-	U			
COAL		2	5	5	with iron and post						
Thill stone	1 3		•	Ū	girdles	2	0	8			
Black stone	0 3				Blue metal	1	1	0			
COAL	0 1				Strong grey metal,						
		2	1	3	with whin girdles	1	3	0			
Seggar clay	0 3			•	Dark blue metal	0	4	8			
Grey metal	1 3	0			COAL	0	0	2			
Strong post	0 2								5	5	0
Grey metal	2 0	5			Seggar clay	0	2				
Ft. In	١.				Grey metal	<b>2</b>	0				
COAL 1 4					COAL	0	0	1			_
Band 0 10								_	2	2	1
COAL 0 5					Black stone	0	0				
Stone band 0 1					Strong thill stone	0	4				
COAL 1 2					Whin girdle		- 1				P
	- 0 3	$10\frac{1}{2}$		0.1	COAL	0	0	8	1	1	3
		—	0	$9\frac{1}{2}$		_			1	1	
Carried fo	rward	32	0	$9\frac{1}{2}$	Carried for	rwa	rd		93	5	9

# No. 2,145.—WARDLEY.—Continued.

			,						
Brough	t forw	ard	Fs	. Ft	. In	Fs. 93	Ft 5	In. 9	Fs. Ft. In. Fs. Ft. In Brought forward 3 5 21 124 0 3
Seggar clay			0	1	1				1 ~ .
White post		•••	0	5	9				Grey post 0 2 5
Grey post			ŏ	2	2				Grey metal 0 3 5
		•••	ő	2					Grey post 1 1 0
Grey metal	•••	•••			4				Blue metal 0 3 3
Whin	•••	•••	0	0	4				COAL—Top portion
Grey metal		• • •	0	4					of High Main Coal
COAL			0	0	1				
	1		_			2	3	- 9	Seam 0 1 0
Seggar clay			0	1	8				6 4 3
Grey metal	•••		ō	3	Õ				-
		•••	ŏ	3					Seggar 0 1 2
White post	•••	•••			6				COAL 0 0 1
Whin	•••	• • •	0	1	6				0 1 8
White post	• • •		1	2	0				1 ~
Grey metal			0	3	10				Seggar 0 0 11
COAL			0	0	10				Strong grey post 4 0 2
	•••					3	4	4	Grey metal 0 0 2
Caman mill			_	4	0	9	-	-10	White post 1 0 4
Seggar, with		one	0	4	_				D1
Strong grey	metal	• • •	2	0	0				Blue metal 0 2 7
White post			0	2	5				Ft. In.
Blue metal			0	1	10				COAL 0 2
COAL			0	0	3				Dark seggar
• • • • • • • • • • • • • • • • • • • •		•••	_			3	2	6	
Dank same			_	_	<u></u>	J	4	O	band $0 \ 3\frac{1}{2}$
Dark seggar		• • •	0		10				COAL 1 9
Strong grey	post	• • •	3	0	2				$ 0.2 2\frac{1}{2}$
Whin			0	2	0				*
Blue metal			0	5	8				6 0 4
Splint			0	Ō	1				Dark seggar 0 2 3
~piint	•••	•••	•	٠	-	4	2	0	Coarse seggar 1 0 2
T 2 - 3 - 4			_	-		4	_	9	Grey metal and grey
Light segga		•••	0	2	5				
White post			0	3	0				post girdles 2 2 9
Blue metal			0	0	9				Blue metal, with iron-
Grey post			0	2	9				stone band 0 2 3
Grey metal			0	ĩ	5				
		•••	ŏ						Lower portion of
Grey post	• • •	•••			11				
Blue metal	•••	•••	0	1	2				High Main Coal
COAL	• • •		0	0	8				Seam—
						<b>2</b>	4	1	Ft. In.
Strong segg:	ar		0	4	0				COAL 0 1
White post			0	1	2				Dark seggar 1 0
			ŏ	3	4			-	COAL 1 8
COAL		•••							- 0.00
COAL	•••	•••	0	0	6	-			0 2 9
D 1					_	1	3	0	4 4 2
Dark segga		xea .							
with coal	pipes		0	3	9				Dark seggar 0 5 0
Grey metal	and w		0	4	8				Blue metal 0 4 10
Grey post			Ō	1	5				Grey post $\dots$ $1$ 0 2
Blue metal			ŏ	ī					Grey metal 0 1 3
	•••	•••			5				Grey post and metal
Grey post	• • •	•••	0	0	9				girdles, from 8 to 10
Grey metal	•••	•••	0	1	10				
Grey post			0	0	9				inches thick 3 1 3
A			0	2	5				Grey metal 0 4 6
Post			8	2	7				Blue metal 0 4 9
Black stone			ő	2	5				Ft. In.
		•••							COAL 0 3
	•••	•••	0	0	$1\frac{1}{2}$			_,	9 4
COAL						11	4	12	
			0	0	6				COAL, coarse 2 3
			-	9	111				0 2 10
Dark seggar			J.						
Dark seggar Grey post	•••	•••	1						
Dark seggar Grey post Grey metal			0	<b>2</b>	5				8 0 7
Dark seggar Grey post	•••		_						

# No. 2,145.—WARDLEY.—Continued.

Brought forward	Fs.	Ft.	In. 1		Ft. 4 1		Fs. Ft. In. Fs. Ft. In. Brought forward 9 3 1 171 0 7½
Seggar	0	3	2			-	Maudlin Seam—
Strong blue metal	1	2	7				Ft. In.
Very dark metal	1	3	2				Black stone 0 2
COAL	0	0	5				COAL, top 2 10
				3	3	4	Band seggar 0 9
				0	J	-18	COAL 3 1 3
Strong dark seggar	0	<b>2</b>	8				Band $0   0\frac{1}{2}$
Strong brown post	0	2	0				COAL 0 8
Blue metal	0	1	9				
COAL	0	0	1				$ 0 5 8\frac{1}{2}$
				1	0	6	$10, 2, 9\frac{1}{2}$
				-	U	U	
Coarse seggar	0	<b>2</b>	5				
Grey metal	3	1	7				
Grey post	0	2	<b>2</b>				Blue metal, with beds
Grey metal	0	<b>2</b>	7				and balls of iron-
Grey post	0	4	10				stone 2 0 5
Grey metal	0	1	8				COAL 0 0 1
Grey post	0	4	9				2 3 4
Whin	0	4	8				Strong dark seggar 0 3 2
White post	2	5	7				
Blue metal	0	0	1				Grey post 2 1 10
Ironstone	ŏ	Õ	3				Blue metal 0 2 3
Blue metal	ŏ	4	2			•	COAL 0 0 8
	ŏ	ō	3				3 1 11
701	ő		11				0.9.9
A C A I	ő		10				Coarse seggar 0 3 8
COAL	U	_		11	1	9	Grey metal 1 4 6
				11		ð	Blue metal 0 1 6
Dark seggar	0	<b>2</b>	0				COAL 0 1 7
Dark blue metal	0	<b>2</b>	8				2 5 3
Grey metal	0	4	0				D. 1
Ft, In.							Dark seggar 0 2 0
COAL 0 2							Grey post 0 2 0
Seggar 0 3							White post 1 1 2
COAL 0 1							Blue metal 1 2 10
Seggar 0 1							COAL-5/4 Seam 0 2 11
COAL 0 5							3 4 11
	0	1	0				Seggar clay 0 1 10
	_			1	3	8	7.08
~	_	_			•	•	Grey post 3 1 0
Seggar	0	2	5				White post, mixed
Grey post and metals		2	8				with whin 1 0 6
Whin	0	0	6				Grey post 1 3 9
Grey metal and post							White post, with whin 0 1 8
girdles	2	4	4				Grey post, with white
COAL	0	0	6				post girdles 2 4 8
				3	4	5	Blue metal 0 3 0
Seggar	0	3	3				
	ő	4	3				Hutton Seam-
Blue metal	1	2	3				Ft. In.
Grey metal	0	0	10			-	Splints 0 4
White post							COAL 3 4
Blue metal	0	0	9				0 3 8
Ironstone	0	0	3				10 2 1
Black metal	0	0	8				
Grey post	0	5	3				Light seggar 0 2 2
Blue metal	1	4	9				Dark seggar 0 4 5
Grey post	2	1	6				COAL, black shade 0 1 5
Grey metal	1	0	2				Dark seggar 0 2 6
Blue metal	0	3	2				Grey metal 0 2 9
	_						
Carried forward	9	3	1	17.	1 0	$7\frac{1}{2}$	Carried forward 2 1 3 204 2 11
Carried 101 ward	J	9		± 4 .	. 0	. 5	Carried for mand 2 1 0 201 2 11

#### No. 2,145.—WARDLEY.—Continued.

Brought forward 2 1 3 204 2 11 Strong white post 1 1 0	Brought forward 3 5 7 204 2 11 Strong grey metal, with
Grey metal 0 2 10 Seggar 0 0 6	grey post girdles 1 2 2
Carried forward 3 5 7 204 2 11	Total 209 4 8

# No. 2,146.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

An Account of Borings at Warkworth Harbour for Water, by Edward Wilkinson.
No. 1 in Well at Gas-works. December 22nd, 1884.

, Long.

Approximate surface level feet above sea (Ordnance datum).

Fire clay 0 Blue metal 0	0 4 10	Brought forward White clay	0 1 3	
Grey metal and girdles 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Whin Grey post Grey metal and girdles	0 2 10	
Hard grey post 1		·		5 4 11
Carried forward 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Total	•••	$\frac{7 \ 0 \ 5\frac{1}{2}}{}$

# No. 2,147.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

No. 2 Borehole, against the Harbour Office. April 20, 1885.

									,
Soil						Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 0 3 0 13 4 9
	• • •	• • •	1	3	0				1
Brown clay	• • •	•••	0	3	0				Grey metal 0 2 3
Grey metal			1	3	0				White post 1 0 0
COAL			0	1	10				Hard grey metal 0 5 0
			_			3	4.	10	Grey metal and girdles 0 2 6
Grey post			0	5	0	•	1	10	Hard light post and
COAL	•••	•••	ő	í	2				
OOAL		• • •	U	т	4		_	_	
T31 3					_	1	0	<b>2</b>	Hard light post 3 1 9
Fire clay	• • •		0	3	0				COAL 0 0 4
Grey and blu	ie meta	ıl	1	5	6				8 3 7
Grey metal a	nd gire	dles	3	0	6				
Grey post			0	4	6				Dark and grey metal 1 0 8
Chan watel			ŏ	3	6				Blue metal 0 5 6
White post	•••		1	0	ő				23200 200000000000000000000000000000000
Grey metal	• • •	•••	7						i si
		•••	0	4	0				Grey post 1 1 0
Blue metal			U	1	6				Grey metal 0 2 6 Hard white post 1 5 0
COAL		• • •	0	1	3				Hard white post 1 5 0
						8	5	9	COAL 0 2 2½
Fire clay			0	2	6				
Hard post g			ŏ	ō	6				
- Post S		•••		U	U				
Carried	forwa	rđ	0	3	0	13	4	9	Carried forward 29 0 10½
-			·	0	v	-0	_	U	
									I

#### No. 2,147.—WARKWORTH.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 29 0 10½	Fs. Ft. In. Fs. Ft. In. Brought forward 1 4 6 29 0 101
Fire clay	0 0 10	White post 0 3 0
Very hard post Open panel, with		Very hard whin (May 5th, 1885) 0 0 11
water		2 2 5
Carried forward	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Total $31 \ 3 \ 3\frac{1}{2}$

# No. 2,148.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

, Long.

No. 3 Borehole, at South end of Cottages.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.	I								In.	Fs.	Ft.	In.
Tumbling s	tone	and								]	Broug	ht f	orw	ard	6	1	7			
sand			1	4	0					Coal	pipe				0	0	$2\frac{1}{2}$			
Grey metal			0	5	0				]	Fire d	elay				0	5	3			
White post			1	5	0				1	White	e clay	and	pos	t	0	3	0			
Blue metal									]	Blue	and	grey	nn	etal						
Post and clay	V		0	<b>2</b>	0						dles					2	6			
Good clay	• • •		0	3	6				1	White	e post				0	0	6			
Whin			0	0	7						-							9	1	01
Grey post			0	5	0															-
									1											
Carried	forwa	ard	6	1	7							To	tal			• • •		9	1	01
																		_		

#### No. 2,149.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

, Long.

No. 4 Borehole, against Link Cottages.

Sand and clay	0	t. In.		Ft.	In.	Brought forward	1	0				
Brown clay	0	$^{2}$ 0				Dark grey post	1	2	0			
COAL, soft	0	1 10				Dark metal	0	5	0			
		<u> </u>	1	1	4	Blue metal	0	4	0			
Dark clay	0	2 0				Black stone and coal	0	1	0			
Grey post and metal	1	5 8				Clay and post	0	<b>2</b>	0			
Hard blue post	2 .	4 0				Dark metal	0	4	0			
COAL	0.	0 4				Grey post	1	1	0			
			5	0	0	White post	1	1	0			
Fire clay	0 4	4 8				•				7	2	8
Post and clay	0	2 0										
										_		-
Carried forward	1	0 8	6	1	4	Total			_	13	4	0
									-	-		_

# No. 2,150.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Bored by T. Rawling on Washington Ground, about 100 yards East of Oxclose House.

June 11th, 1760.

Approximate surface level feet above sea (Ordnance datum).

Soil and sandy clay	Fs.		In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 45 4 5
Strong clay, with a siping of water near the bottom	10	3	0				Grey metal, with girdles and catheads 4 3 6  COAL 0 2 0
Strong clay, mixed with ramble	1	0	0				4 5 6
Soft black metal COAL, soft	0	0	5 6				Grey metal 1 4 0 COAL 0 1 5
Grey scamy metal	1	1	0	12	0	11	1 5 5
Grey metal stone Soft grey scamy post, with blue scamy	0	5	0				Grey metal 3 3 0 Strong white post 0 1 6
partings Strong white post		4					Whin 0 2 9 Grey metal stone 0 4 0 Whin 0 0 10
White and grey post, with blue scamy partings, coal pipes,		_					Whin 0 0 10  Strong blue grey metal stone, with grey post girdles near the
and sulphur with water			0				bottom 3 5 6 Thready grey post,
COAL	0	0	11	17	2	11	settled the water 0 2 6 Strong grey metal 2 3 0
Soft black metal, with a mixture of coal		1	6				Black metal 0 0 6
Grey metal Black grey metal stone	3	$\frac{3}{2}$	0 6				brown scames 2 0 Grev metal 0 5
Grey post, with scamy partings Grey scamy metal	3	0	0				Grey metal 0 5 COAL 1 5 Grey stone 0 3
stone White post, with water	0 4	5 3	3				COAL 2 5 1 0 6
Grey metal, scared with coal COAL	0	0	6				Black metal 0 0 1
Black metal, mixed with coal	0	0	8				Grey metal 0 2 9
top top	0	2	0	16	0	7	0 2 10
Carried for	****	.4		45	4		Total 66 0 3

# No. 2,151.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Second Place in Washington Grounds, in the South-east part of the Old Engine Field. March, 1761.

Approximate surface level feet above sea (Ordnance	datum).
--	---------

Soil	Fs.	Ft.	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 15 1 11 30 5 4
Brown and blue stony	U	1	U				Black metal, scared
.1.	1	0	0				with coal 0 0 5
Strong stony clay,	-	·	U				Five-Quarter Seam-
with whin tumblers	2	0	0				COAL, foul,
Strong stony clay	8	5	ŏ				with brassy Ft. In.
Etiong stony casy			_	12	0	0	scare bands 0 5
Soft grey metal	2	5	3				Grey metal,
COAL, foul at the							scared with
bottom	0	0	9				coal 0 4
6				3	0	0	COAL, foul 0 5
Grey metal, with post							A brassy lump
girdles	0	5	3				or girdle 0 1
COAL, foul	0	0	4				COAL 1 8
				0	5	7	0 2 11
Grey metal	1	1	6				15 5 3
Grey and brown gul-							Grey metal 1 0 0
lety post, with blue							White post 0 2 0
cashy partings and	_	_					Grey metal stone, with
sulphur	0	5	6				some black scames
Blue grey scamy stone	1	4	0				near the bottom 3 0 9
White and grey scamy							COAL 0 1 3
post, with open	Λ	ĸ	9				0 0 0
gullets and water	0	5 1	3 6				
Blue metal	U	1	U				
White and grey post, with water	3	3	8				Grey metal, with girdles or lumps 0 5 6
Blue grey seamy stone	ő	4	6				dles or lumps 0 5 6 Strong white post 0 2 0
Grey coal pipy post	ŏ	3	ő				Grey metal, with a
Grey and white post	ŏ	3	ŏ				strong girdle at the
Grey post, with black	·	Ü	•				bottom 0 0 9
scames	1	0	0				COAL, with water or
Grey and white post	3	3	Ō				sulphur 0 0 8
COAL	0	0	10				3 3 7
				14	5	9	Grey metal, with gir-
Blue metal, with scares							dles or lumps 0 4 10
of $coal$	0	1	6				Strong grey metal
Blue grey metal, with							post, or grey post 8 2 '0
girdles or lumps	2	1	6				Grey metal stone 1 0 0
Blue grey metal stone	4	5	0				Blue and black metal 0 0 6
Strong girdle stone	0	-3	0				Main Coal Seam—
Blue metal stone	1	2	0				Ft. In.
Grey scamy post	0	3	0				COAL 2 1
Strong white post,	0	1					Grey and blue
mixed with whin	0	1	2				metal 0 4
Black stone	0	0	9				COAL 1 8
Strong white post, mixed with whin							Blue metal 0 1.
girdles and scamy							COAL 2 6
partings and water							11 2 0
in some places	5	2	0				In grey metal 0 0 10
III bome piaces						_	Stoy mount
Carried forward	15	1	11	30	5	4	Total 66 3 0
,				-	-	_	

# No. 2,152.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet of Ordnance Map. Lat. Long.

Third Place in Washington Ground, 7 chains to the West and 2 chains to the North, from an Old Pit in the South-east corner. January 25th, 1762.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and soft brown							Brought forward				35	3	7
clay	0	<b>2</b>	0				White and grey post	3	5	0			
Stony clay	5	2	0				Grey scamy stone,						
Stony clay, mixed with							with whin girdles	2	0	0			
gravel	0	1	6				COAL, foul	-	0	6			
Stony clay		1	6				,				7	1	8
Story cary			_	9	1	0	Soft grey metal	0	1	2	•	-	•
	_	_	_	·	-	•	COAL, hard splinty						
Grey scamy stone	1	3	0				JOAL, hard spinity				0	Q	10
Grey and blue metal,							White post	1	3	0	U	J	10
with a strong girdle							COAL		2	3			
in it	3	3	0				COAL	0	2	3	-	-	
Black metal, mixed							0 111 /1	_	-		1	5	3
with coal at bottom	0	1	2				Grey and blue metal	_	1	6			
Grey metal	Ŏ	2	2				COAL	0	0	5			
00'11	ő	ĩ	õ								0	1	11
COAL	v	-	·	5	4	4	Hard brassy girdle	0	0	2			
Disab and blue slates				J	-1	-32			1	4			
Black and blue slaty	^		c								0	1	6
metal	0	2	6				Soft grey metal, with						
COAL	0	U	9		_	_	scares of coal	0	1	3			
				0	3	3	COAL-3/4 Seam			5			
White and grey metal,							0012 0/2 Seam	_			0	1	8
with girdles or cat-							Cuar matal	0	1	0	·	_	U
1 1	6	0	0				Grey metal	U	1	O			
Grey metal stone	1	-	ŏ				Strong grey metal	-		c			
	0		6				stone, with water	1	2	6			
COAL, foul	U	U	U				Strong white post	_	-				
Black metal, scared	^	_					girdle, with water	_	1	4			
with coal	0	0	2	-		0	Grey metal		0	_			
	_			7	0	8	COAL	0	0	6			
Grey scamy metal	0	3	0								1	5	10
Strong white post	ō	3	9				Grey metal	0	<b>2</b>	4			
White and grey scamy	•	•	·				Black metal	0	0	8			
stone, with post							COAL	0	0	5			
	2	5	0								0	3	5
girdles and water	1						Grey metal	0	3	0	-		
Blue metal	1	1	0				Strong white post	ŏ					
Grey metal and metal							Grey metal	ŏ					
stone, with post		_	_				COAL, with brassy	0	-	0			
girdles at bottom	2		0				lumps and white						
Strong white post								0	1	4			
COAL	0	0	10		_		sparkles	0	1	-16	1	1	2
	_			13	0	4	Tuta blue matel				1	1	4
Grey metal	0	1	2				Into blue metal.						
Grey metal stone, with		-	-										
	1	1	0										
post girdles	1	1	J										
	-			_	_						4.5		
Carried forward	1	2	2	35	3	7	Total		• • •	_	49	5	10
										-			

# No. 2,153.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Fourth Place at Washington, on the Common, about 200 yards from John Burns' House. June 8th, 1762.

a	Fs.	Ft.	In.	Fs.	Ft.	In.	D 116				Fs.		
Stony clay, with beds	_	9					Brought forward	3	3		18	2	11
of sand and water	5	3	0				White post, with water	1	1	0			
Stony clay, with a	•		^				Grey metal stone, with						
mixture of sand	0	3	0				post girdles and		_	^			
Stony clay, with large	-	-	^				metal partings	4	-	0			
tumblers	1	1	0				White and grey post	4		0			
Brown gravel or							COAL	0	0	9			
ramble, with water											13	0	9
which rose to the	0	_	^				Soft grey metal	0	1.	6			
top	0	5	0				1 0 1 1	1	3	ő			
oft grey metal, with	0		0				Grey metal Grey metal stone, with		U	U			
post girdles	0	2	8				strong girdles	6	2	0			
COAL, with water	0	0	7				Grey and white post,	U	-	·			
				8	3	3	with strong girdles,						
1 7		_	_				coal pipy partings,						
Black scamy stone	0	5	0					6	1	6			
rey metal	1	1	9				Blue grey metal stone,	U	-	•			
trong grey metal	0	3	9				with girdles and						
stone	U	ð	9				water	5	0	0			
frey metal, with girdles or catheads	4	5	0				Grey metal	ŏ	ĭ	6			
	4	9	U				Grey metal stone	ŏ	5	ŏ			
OAL Ft. In.							Strong white and grey	6	•	•			
SOAL 0 7 Blue metal 0 1							post	0	5	0			
							Strong grey metal	·	•	•			
OAL 0 2	0	Λ	10				stone, with post						
	U	U	10	_			girdles	1	5	3			
				7	4	4	COAL	ō	1	3			
oft blue and brown								•	_	•	00		0
scamy metal	0	1	0				Soft blookish amon				23	2	0
trey post	0	1	0				Soft blackish grey						
Vhin, and set away							metal, with brown	^	0	^			
the water at the							scames	0	2	0			
bottom	0	2	0				Strong white post,						
Brown rambly stone	0	0	9				with whin at the	0	4	^			
White and brown post	0	3	6				Grey metal stone, with	0	4	0			
rey metal, with							girdles or lumps	0	4	6			
girdles	0	<b>4</b>	9				0041	Ö		11			
COAL, hard brassy	0	0	4				COAL	U	U	11			
_			_	2	1	4				-	1	5	5
oft grey metal, with				_	-	-30	Soft blue metal	0	0	4			
water	0	0	9				Strong grey metal	-	-				
rey metal	2	0	ő				stone, with post						
trong white post	ō	5	9				girdles	7	3	0			
lue grey metal stone	ŏ	2	6				Whin	ò	2	Ŏ			
Siel meen some	0	_	U					-	_	-			
													_
Carried forward	3	3	0	18	2	11	Carried forward	7	5	4	56	5	1

# No. 2,153.—WASHINGTON.—CONTINUED.

Brought forward Strong white post 0 3 0 Strong grey metal stone 4 3 6 A mixture whin girdle Grey metal stone, with hard girdles or lumps 1 4 6 Soft black metal 0 0 5	Brought forward 14 5 11 56 5 1  Main Coal Seam—  Ft. In.  COAL 2 0  Soft grey metal 1 1  COAL 0 6  COAL, hard foul 0 11  Blue metal 0 1  COAL 2 6  ——————————————————————————————————
	In grey metal 0 1 0
Carried forward 14 5 11 56 5 1	Total <u>73 1 2</u>

#### No. 2,154.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.  $54^{\circ}$  54' 32'', Long.  $1^{\circ}$  3' 20''.

Bored at Washington Colliery, in the C Pit. July, 1769.

G 1 / /1 M 11		Ft.	In.	Fs.			Fs. Ft. In. Fs. Ft. In
Sunk to the scaffold			_	13	4	3	Brought forward 41 4 3
Box	z	3	0				Soft blue grey metal 1 5 9
Brown post	_	1	6				COAL 0 1 8
COAL, foul	0	0	9		_	_	2 1 5
~				3	5	3	Grey metal, with gir-
Grey metal stone, with			_				dles 1 0 0
	12	0	9				Crow motel stone   5 0 4
Grey metal, with water			0				Grey metal stone $\begin{cases} \frac{1}{5} & 0 & 5 \end{cases}$
Whin mixture	0	3	0				Whin mixture 0 3 0
Grey metal stone, with							Grey metal 2 5 6
girdles	1	3	9				Ft. In.
Black metal	0	1	3				COAL 2 3
COAL	0	2	3				Stone 0 2
				16	2	0	COAL 1 7
Grey metal, with gir-							Stone 0 1
dles	2	0	9				COAL 2 6
COAL	0	1	0				1 0 7
				2	1	9	15 3 16
Soft white metal	1	0	0				10000
Grey metal stone, with							Soft black grey metal 0 2 0
water	4	1	0				Strong grey metal
COAL		2	0				stone, with hard
	_			5	3	0	girdles 1 0 0
				Ů	Ū		Grey metal stone 1 3 0
Carried for	ruro*	d		41	4	3	Carried forward 2 5 0 59 3 6
Carrieu 10	wat	·		<b>X1</b>	*	J	

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,154.—WASHINGTON.—CONTINUED.

Brought forward		Ft. 5		Fs. 59	Ft.	$^{\mathrm{In.}}$	Brought forward Fs. Ft. In. Fs. Ft. In. 73 4 8
Soft grey metal part- ings, with whin gir- dles and catheads	5	3	0				Grey metal, with catheads 1 0 0  Grey metal stone, with
Ft. In,		-	-				post girdles 1 0 9
COAL, soft, with danty partings 0 9 COAL 1 5 Grey metal 0 3 COAL 0 7	0	_	0				COAL 0 4 Blue metal 0 3 COAL 0 2 Blue metal 0 4 COAL 0 5 Stone 0 3 COAL 1 2
	0	5	0	9	1	0	COAL 1 2 0 2 11
Black metal, mixed				Ü	1	U	2 3 8
with $coal$	0	0	1				Grey metal stone 1 1 0
Grey metal, with hard	1.	4	Q				Whin 0 2 2 Grey metal stone, with
girdles or lumps  Ft. In.  0 3	**	'31'	J				post girdles 2 0 0 In COAL (15 inches),
A hard girdle 0 2 COAL 0 11							supposed to be the 0 3 9
	0	1	4	5	0	2	4 0 11
Carried for	wai	rd		73	4	8	Total 80 3 3

# No. 2,155.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

# Sunk at Washington Colliery, in the G Pit.

	Fs.	Ft.	In. I	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, with stones	14	0	0				Brough	t forwa	$^{\mathrm{rd}}$	6	3	6	32	3	6
Ramble stones	2	3	0				COAL (pro	bablu H	iah						
Post	1	0	0				Main on 2				0	10			
Black jointy stone		1	Ō					-3,	•				6	4.	4
Post, with 18 inches	·	-	Ŭ				Soft blue sto	me		1	4	2	U	-	
of whin in the							Strong grey			ī		ō			
middle	7	5	Ω				Strong post				ő				
Blue stone, with a	•	U	U							_					
		_	_				Scamy post		••	-	2	_			
griming of coal	2	0	0				Strong post			4	0	0			
Grey metal	2	0	0				Black stone			0	3	0			
COAL	0	0	6				COAL			0	1	8			
	_		_ 8	32	3	6			٠.			_	10	4	10
Soft blue stone	1	5	6		•		Thill			0	3	0		-	
Post	4	4	Ō				Whin			ŏ	ĭ				
1050		-					** 11111	•••	••	v		U			
Carried forward	6	3	6 8	29	3	6	Carried	fanniand		0	4	6	=0	-0	8
Carried forward	U	J	U	12	o	U	Carried	Torward		U	4	0	50	Ų	0

# No. 2,155.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	0	4	6	50	0	8	Brought forward 2 0 8 67 5 6
Blue stone	0	$^{2}$	0				Whin, mixed with post 0 0 10
Strong post	0	2	0				White post 0 5 10\frac{1}{2}
Blue metal	1	0	0				Grey girdly post 1 0 8
COAL	0	1	7				Grey and white post,
				2	4	1	with partings 2 2 0
Grey metal	1	3	0				Whin 0 2 8
COAL	0	0	9				Grey girdly post 1 4 8
				1	3	9	Whin 0 1 6
Grey metal	1	0	0				Brown post 0 4 0
Post, with 2 feet of		-	-				Black and grey metal 0 2 0
whin in the middle	4	0	0				Maudlin Seam—
Blue metal	1	Õ	Õ				Ft. In.
Whin	ō		ŏ				COAL, top 2 7
Post	_	2	ŏ				COAL, splint 0 4½
Blue metal	š	3	ŏ				COAL, ground 1 $3\frac{1}{2}$
COAL-High Main	•	•	U				Band 0 15
Seam	1	0	0				COAL, bot-
	_		-	13	3	0	tom 0 9
Sunk further :-				10		U	$05$ 1 $\frac{1}{2}$
775:11	0	2	0				2
Black stone, with whin	U		U				11 0 0
girdles	1	4	8				
girdies	1	.1.	G				
Carried forward	2	0	8	67	5	6	Total 78 5 6

# No. 2,156.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

# Sunk in the Staple in the H Pit, Washington New Colliery, from the High Main Seam. Approximate surface level feet above sea (Ordnance datum).

													_
Thill				Fs. Ft. In.	Brough	t foru	brev				Fs.	Ft.	In.
Black stone, with whin	U		2										
girdles	1	1	٥		Grey metal Black stone	•••	• • • •	ň	ñ	3			
White post, the top	1	1	U		COAL — I			U	U	υ			
shivery, the bottom					Seam			0	5	0			
	1	1	7								10	4	6
whinny Black stone	0	3	7		Thill			0	1	0			
Blue stone, scared with		-	•		Grey post			1					
whin and ironstone	2	4	5		Grey metal			1					
Girdly and scamy post					Blue stone								
Solid post, with whin	_	•	•			•••			1	2			
at bottom	0	4.	6							_	3	2	2
Blue stone, with	-	-	0		Thilly stone	·		0	1	0			
strong post girdles	1	2	6		I ming soone	••••	•••						
Carried forward	9	3	9	e	Carried	l forw	ard	0	1	0	14	0	-8
Connect for ward	ð	3	ð		Carried	10111		9	-	,	_	,	-

# No. 2,156.—WASHINGTON.—CONTINUED.

Brought	forward					Ft.	In. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 19 4 11
White post				6				Grey post 1 0 0 Blue metal and whin 2 4 0
		ō			1	9	3	Low Main Seam— Ft. In.
Grey post		0	3	0		_	Ü	COAL 3 4 COAL, bot-
								tom $0   4\frac{1}{2}$
ÇOAL		<del>-</del> 0	2		4	2	0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Ca	arried for	war	d		 19	4	11	$24 \ 0 \ 7\frac{1}{2}$

# No. 2,157.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54′ 14″, Long. 1° 31′ 46″.

Account of the Strata sunk through in the I Pit, in Spennymoor Close, Washington New Colliery. Begun October 1st, 1818.

From surface to stone	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward			In. Fs. 2 19		
				10	2	11				0	-10	1 2
head	Λ	1		10	4	11.	White post	0	1	4		
Soft blue metal .	0	1	0				COAL	U	1			,
Soft grey metal, with	_		_							15	4	$\epsilon$
ironstone girdles		0					Black and grey metal,					
COAL	0	0	5				with splinty coal					
				5	1	7	partings	1	1	0		
Soft blue and grey						•	Strong grey metal					
metal, with iron-							stone	0	1	8		
stone girdles	2	3	6				Strong black and		1	$2\frac{1}{2}$		
Strong white post,	_	•					grey metal		1	11		*
with whin girdles	Ω	4	5									
							Black and white post		0	0		
Soft grey metal	0	0	$\frac{2^{1}}{2}$				Black metal stone	0	0	$6\frac{1}{2}$		
White post	Õ	0	9				COAL — Metal Coal	•				
Grey metal	Ü		10				Seam	0	2	2		
COAL	0	0	5							11	1	8
				4	0	$1\frac{1}{2}$	Soft blue metal	0	1	3		
Grey metal	0	3	10			-	Grey metal	1	5	0		
Grey metal	3	1	10				Grey metal, with post					
Strong white post	9	3	8				girdles	0	2	6		
Grey slaty post, with	-						Grey metal stone			6		
	1	3	0					1	2	6		
Grey metal stone			10				Grey post	1	4	U		
orey medicatione	J	J	10									
Carried forward	 15	1	2	 19	4	7↓	Carried forward	4	5	9 46	4	10

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,157.—WASHINGTON.—CONTINUED.

D 14.6					Fs. 46			Fs. Ft. In. Fs. Ft. In.
Brought forv	vara					4	10	Brought forward 7 2 9 56 1 3
Grey metal stone		0	3	0				Strong post girdle 0 0 10
COAL		0	1	6				Grey metal 0 5 2
					5	4	3	Whin 0 0 11
Grey metal		1	2	0				Strong post girdle 0 1 5
Blue metal		0	0	10				Grey metal 2 1 10
Grey post		2	0	4				Strong girdles, with
COAL, splinty		0	1	0				brown post and
,					3	4	2	whin 0 1 2
Grey metal		1	0	0				Blue metal, with iron-
Black stone				0				stone girdles 2 0 0
Whin	,	0	3	0				COAL - Main Coal
Post girdles		0	1	0				Seam 1 0 8
Grey metal		2	2	9				14 2 9
Carried forwa	rd	7	2	9	56	1	3	Total 70 4 0

# No. 2,158.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

# Boring made from the Low Main or Hutton Seam to the Beaumont Seam at $N\iota w$ Washington Colliery.

			In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Thill	0	$^{2}$	0		Brought forward 23 1 $9\frac{1}{2}$
Grey post, with whin					Marl 0 3 0
girdles	4	4	0		Whin 0 0 5
Black stone	0	1 5	0		Blue metal 0 2 0
Grey metal	0	5	9		Grey metal 0 4 0 Blue metal 0 3 0
White post, with whin					Blue metal 0 3 0
and sulphur	2	1	6		Grey post 0 3 0
Whin	0	$\frac{1}{3}$	7		Whin 0 0 5
White post	1	3	0		White post, with whin
White post girdles,					girdles 0 5 2
with partings	1	3	0		Black stone, mingled
Blue stone, with post					with coal 0 1 4
girdles	4	0	5	1	Post 1 2 0
Black stone, with	-				Blue metal 0 1 0
whin girdles	2	2	10		Post 0 3 0
White thill, with cat-	_	_			Grey metal 0 5 0
heads	0	3	0		Post, with whin gir-
Grey post, with whin	Ŭ		•		dles 1 2 0
girdles and sulphur	1	5	6	-	Black stone 0 2 0
Whin girdle	õ	1	$7\frac{1}{3}$		COAL — Beaumont
Grey metal	ŏ	î	0		Seam $0 2 0\frac{1}{2}$
Grey post	1	ō	ŏ		31 5 2
Blue metal	ō	2	7		Bored into thill 0 1 21
Black sand	ŏ	3	ó		DVICE MOD CAME
Carried forward	23	1	$9\frac{1}{2}$		Total $32 \ 0 \ 4\frac{1}{2}$

#### No. 2,159.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of a Boring at West Auckland, about 20 yards to the East from the Hole formerly bored. July 15th, 1765.

Approximate surface level

feet above sea (Ordnance datum).

Soil	_		In. 3	Fs.	Ft.	In.	Brought forward 1 5 6 6 0 6
Stony clay, mixed with sand Sand and gravel, with	0	2	0				Grey metal stone, with brown scames 3 0 0 Grey metal stone 0 5 0
water and a mixture of gravelly clay near the bottom	1	4	9				COAL 0 7 Black metal 0 2
Blue stony clay	2	4	0	5	0	0	COAL, splinty with water 1 10
Grey metal stone Black metal COAL	0						COAL, with much water at bottom 2 7
	_	_		1	0	6	<u> </u>
Brown and grey metal stone Brown post, with part-	0	3	0				In strong stone 0 0 3
ings and water	1	2	6				
Carried forward	1	5	6	6	0	6	Total 12 4 8

# No. 2,160.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Second Place, bored near West Auckland, in the North Field, about 200 yards to the East from the First Place.

Soil Fs. Ft. In. Fs. Ft. In. O 2 0	Fs. Ft. In. Fs Ft. In. Brought forward 2 1 6
Brown stony clay, with a mixture of	Blue metal stone, with post girdles 2 1 6
sand 0 2 0	Blue metal stone, with
Sandy gravel 1 0 0	brown scames and
Sandy gravel, with	scares of coal near
water 0 3 0	the bottom 1 4 0
Blue stony clay 0 0 6	COAL, foul 0 1 10
	6 2 10
<del></del>	
Carried forward 2 1 6	Carried forward 6 2 10

# No. 2,160.—WEST AUCKLAND.—CONTINUED.

						Fs. Ft. In. Fs. Ft In. Brought forward 2 2 8 16 0 4
						Strong grey metal, with post girdles
						and water near the
3	3	0				top 2 4 9
0	1	6				Blue grey metal 1 1 0
0	0	6				Soft black metal 0 0 1
			4	5	0	Ft. In.
						COAL 0 10
						COAL, hard,
	0	4				splinty, coarse 0 2
0	0	<b>2</b>				COAL, with
			4	4	6.	water, and
1	2	0				rather splinty 1 0
						COAL 3 4
						0 5 4
0	3	0				7 1 10
						In whin mixture 0 0 3
	3	8				In whin mixture 0 0 3
2	0		10	_		Total 23 2 5
	$ \begin{array}{c} 1 \\ 3 \\ 0 \\ 0 \\ 0 \\ \hline 1 \\ 0 \\ 0 \end{array} $	1 0 3 3 0 1 0 0 4 4 4 0 0 0 1 2 0 3 0 3	1 0 0  3 3 0 0 1 6 0 0 6  4 4 0 0 0 4 0 0 2 1 2 0 0 3 0 0 3 8	3 3 0 0 1 6 0 0 6 	3 3 0 0 1 6 0 0 6 	3 3 0 0 1 6 0 0 6 

# No. 2,161.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Third Place bored near West Auckland, about 200 yards to the North from the Second.

		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	U	1	U				Brought forward 8 0 3
Brown stony clay	1	2	0				Grey metal 1 0 0
Sand and gravel, with							Grey post 0 4 6
water	0	2	0				Grey metal 0 1 6
Sand and elav		2	0				Grey post 0 3 0
Brown stony clay	0	5	0				Grey metal 1 5 0
Sand	0	1	0				COAL 0 0 6
Brown stony clay	0	2	0				
	1	1	0				Grey metal 2 0 0
	1	2	0				Grey post, with water 1 3 8
Strong white post		1	0		•		Grey metal 1 1 7
Grey scamy metal			0				Black and blue metal 0 0 6
COAL, with small							COAL 003
black scames	0	2	3				5 0 0
			_	8	0	3	
Carried for	war	d		8	0	3	Carried forward 17 2 9
0411104 101		-		_	-	-	

# No. 2,161.—WEST AUCKLAND.—CONTINUED.

Brought forward					Ft.		Brought forward 7 0 9 17 2 9
Grey metal	0	5	3				Ft. In.
Grey post		1	0				Soft black me-
Strong white post,							tal 0 1
with water	1	1	0				COAL 0 9
Strong white post,							Black stone,
mixed with whin	0	3	0				mixed with
Strong white post,	_	_	_				coal 0 2
with water	0	4	0				COAL, hard
Grey metal and metal	•	_	•				splinty 0 4
stone, with girdles	3	4.	0				COAL 0 8
Blue grey metal		Ô	6				COAL, coarse,
Dide grey metar	v	v	U				splinty, with
							scares of brass 0 3
							0 5 7
							8 0 4
							0 0 5
0 110 1			_				m . 1
Carried forward	7	0	9	17	2	9	Total 25 3 6

# No. 2,162.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Fourth Place bored at West Auckland, about 400 yards to the East from the Second Place, and about 200 yards to the North west from the Bridge.

Soil and elay	^	Ft.		Fs.	Ft.	In,	Brought forward	Fs.	Ft.	In.	Fs. 11		In. 9
Gravel, with a siping		0	0				Grey metal	0	1	0			
of water	^	1	0				Grey post Black grey metal	0	1	6			
Stony clay Brown and grey	_	_					COAL, with water		0	6			
rambly post	5	3	0						<u>.                                    </u>		0	4	0
COAL	0	0	6				Grey metal	6	2	3			
				8	3	6	Grey metal stone and						
Black stone	0	0	3				post girdles						
Grey metal	0	1	6				Strong grey post Grey metal stone	0	1	6			
COAL	0	0	10		_	_	Strong grey post, with	U	J	O			
				0	2	7	water	0	3	0			
Grey metal	2	1	0				In grey metal stone						
COAL, with water	0	0	8	2	1	8	and post girdle	0	4				
				Z	1	o				-	12	2	3
											_		
Carried for	var	d		11	1	9	Total				24	2	0
•										=			

# No. 2,163.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

# Fifth Place bored at West Auckland about 200 yards to the North-east from the Third.

Soil and stony clay	Fs. 2		In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 3 0 22 2 0
COAL	õ		6				Grey metal stone, with
				2	0	6	girdles and water 0 3 0
		_			U	U	Strong white post,
	2	3	0 6				with water 0 1 6
COAL	U	U	б		_		Grey metal 0 1 0
				2	3	6	Strong white post, mixed with whin 0 1 0
Grey metal stone	1	0	6				Whin 0 2 0
COAL	0	0	6				Grey metal stone 1 1 6
				1	1	0	Grey post 0 1 0
Grey metal stone	0	1	0				Grey metal stone, with
COAL	0	0	3				girdles 1 3 2
				0	1	3	Black metal 0 0 1
Grey metal and metal					_		Ft. In.
stone	8	5	9				COAL 0 10
Grey post	ĭ	ï	6				COAL, brassy 0 1
Grey metal stone, with							scares of brass 0 8
girdles	1	_	0				COAL 3 8
Black metal	0	-	6				0 5 3
COAL, with water	0	2	0				
				12	0	9	8 4 6
Grey metal stone, with							In whin mixture 0 0 2
girdles	1	_	0				
Grey post, with water	0	4	0				
Grey metal stone, with							
post girdles and water	9	1	3				
COAL, with water		0					
· · · · · · · · · · · · · · · · · ·	U	J	J		,	0	
~				4	1	0	
Grey metal stone, with		•					
girdles and water	3	0					
Grey metal	0	3	0				0
Carried forward	3	3	0	22	2	0	Total 31 0 8

#### No. 2,164.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of the Boring at West Auckland, in the High Blactens. March 18th, 1772.

Approximate surface level feet above sea (Ordnance datum).

Soil		Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 25 2 5
Stony clay		ō					Grey metal 0 0 7
Brown post, with	-	0	U				COAL 0 3 6
metal partings and water	6	0	0				Blue grey metal $1   2   6$
COAL, with water	0	0	6				White post, mixed
Grey metal stone, with							with whin 9 2 6
post girdles	3	2	6				COAL 0 1 3
Black metal stone,	_	-					11 0 3
with water	0	1	0				Grey metal 0 0 9
Blue and grey metal	1	0	0				Grey post 0 3 0
Brown post, with		٠.					Grey metal stone, with
water	0	4	6				girdles 2 4 0
Dark grey metal, with						٠.	COAL, foul 0 0 6
post girdles and							3 2 8
water	6	1	6				Grey metal stone and
Grey metal stone and			_				girdles 1 0 0
post girdles	1.	0	0				COAL 0 0 7
White and grey post,							1 0 2
with water	0	1	6				Grey metal stone and
Grey post, mixed with							girdles 5 0 0
whin and water	2	0	0				Black stone and coal
Grey post, with water	2	0					pipes 0 1 6
Grey post, mixed with			-				Grey metal 0 3 0
whin	1	0	2				In grey scamy post 1 2 11
Black metal stone	0	0	9				7 1 t
Carried forward	25	9	5				Total 48 5 (

N.B.—This hole is at some distance North of the wood adjoining the turnpike.

#### No. 2,165.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Bored at West Auckland Townfield, about 100 yards South-west from the Town, by Thomas and G. Rawling. May 1, 1772.

Soil Stony clay			0	$^{2}$	0	. Ft. In.	Brought forward Gravel and sand, with water	0			Fs. Ft	
Carried	forw	ard	0	5	0		Carried forward	1	5	-6		

# No. 2,165.—WEST AUCKLAND.—CONTINUED.

Brought forward Leafy clay, mixed with sand Blue leafy clay Stony clay Gravel and sand, with water Brown and grey metal COAL Blue and grey metal COAL	0 2 0 5 1 0 3 4 1 4 1 2 0 0	6 0 0 0 0 6 3	0 8	5 9	Brought forward Grey metal 5 1 9 Black stone 0 0 1 Grey metal stone 1 0 11 Grey metal and whin girdles 2 2 0 Whin 0 0 7 Grey post, with water 2 3 11  COAL 2 5 COAL, foul, brassy 0 2 COAL 0 5 0 5 0 3 0
Carried for	ward	-	11 4	4 3	In grey metal 6 4 5 0 1 1  Total 24 2 7

# No. 2,166.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in West Auckland Colliery, near St. Helen's Village, First Hole. June 19th, 1826.

	Fs.	Ft.	In.	Fs. Ft. In	Fs. Ft. In. Fs. Ft. In
Through the clay to					Brought forward 12 0 5
the bottom of sand	4	1	4		Metal stone 2 0 4
Blue strong clay	2	4	6		Black metal 0 2 0
Brown strong clay					COAL, with a metal
Brown metal, with					band 1 inch thick
water	1	2	2		from top 0 1 10
Metal stone, with iron					14 4 7
girdles	1	4.	0		Grev metal 0 3 0
Dark grey metal	ō	ō	9		Grey metal 0 3 0 Grey metal stone 0 2 0
girdles  Dark grey metal  Grey metal	Ŏ	4	5		0 5 C
-					
Carried forward 1	2	0	5		Total 15 3 7

# No. 2,167.—WEST AUCKLAND.

#### TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Second Hole, about 72 yards to the South from the First, in the South-east Corner of the Field. July 10th, 1826.

Approximate surface level feet above sea (Ordnance datum).

Soil and stones Sandy gravel and water Strong clay	•••	 		0∙ 4	0		Ft.	In. 0
						3	3	0

This hole was lost by the "bitch" being put down the hole.

# No. 2,168.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Third Hole, 1 yard from the Second. July 13th, 1826.

Soil and sand						In.	Fs.	Ft.	In.	
Sandy gravel, with	 water	•••	 							
Strong clay			 	î						
A		•••	 			0				
In strong clay			 	 0	3	0				
				_			5	5	0	
		Total	 				5	5	0	

# No. 2,169.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Fourth Hole, about 15 yards South-west from the Third and 15 yards from South Hedge.

Approximate surface level

feet above sea (Ordnance datum).

t. In. O	Fs. Ft. In.
6	
0	
0	•
6	
	5  5  0
	5 5 0
	0 6 0 0 6

Lost the hole by breaking a large chisel.

# No. 2,170.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### Fifth Hole.

													-
Soil				Fs.	Ft.	In.	Brought forward					Ft.	
Soil	U	T	U				Diought forward	- 4	0	- 12	11	2	
Rough gravel, with							Grey metal	U	3	U			
tumbling stones	3	1	0				Blue and grey gullety						
Blue strong clay	1	3	0				whin	0	0	9			
Sandy gravel and							Grey metal stone and						
water	1	0	0				iron girdles	1	1	9			
Blue stone tumbler							Black and grey metal						
							COAL—Yard Seam						
Gravelly clay	1	O	O				COAL - 1 ara Seam	U	o	1	_		
Strong elay	1	3	-6								5	3 ]	11
Grey metal	1	0	0				Grey metal						
Dark grey and black							Grey metal stone	0	3	4			
metal	1	4	3				Grey and white post,						
COAL							with metal partings						
	U			11	0	0	and water	1	1	G			
	-			11	2	8	and water		1	U			
Grey and dark metal	2	3	4										
Grey post, with water													
of poss, with water	0	_	U							_	_		
Carried forward	2	5	4	11	2	8	Carried forward	2	0	10	17	0	7
Carried forward	2	5	4	11	2	8	Carried forward	$^{2}$	0	10	17	0	

#### No. 2,170.—WEST AUCKLAND.—CONTINUED.

Brought forward				Fs. 17	Ft.		Fs. Ft. In. Fs. Ft. Brought forward 5 4 11 31	In.
Strong white post and				_,			Dark and black metal 1 0 0	
whin, with much water which rose to the top from 18 fms.							Grey metal and metal stone girdles 3 5 0 Strong white post,	
4 ft. 6 in	6						with water and hard	
Grey metal COAL		1	0				whin 2 1 0	
				9	1	6	rather splinty 0 1 10	
Grey metal, with strong girdles	0	4.	7				Grey metal stone and	0 9
Strong white post	0		4				whin girdles 1 2 0	
Grey metal and whin girdles	2	9	0				Whin girdles 0 0 3 Grey metal stone and	
gridles Ft. In	2	_	U				girdles 1 2 0	
COAL 0 3							COAL 0 0 6	1 (
Grey metal 0 2 COAL 0 5							0.20	± Ø
	0	0	10				Grey metal stone 1 5 3	
Grey metal	_	3	3	4	0	9	Whin 0 0 9 Grey metal stone 0 4 2	
COAL	0	0					Strong white post 0 2 0	
Grey metal and post girdles		A.	11	Q	3	9	3	3 2
gnuies								
Carried forward	5	4	11	31	0	7	Total <u>50</u>	3 3

#### No. 2,171.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, NORTHUMBERLAND.

Sheet 42 of Ordnance Map. Lat. , Long.

Approximate surface level

Sixth Hole, on South Side of Gaunless, about 120 yards West from Railway Metal Bridge. Begun December 20th, 1826.

feet above sea (Ordnance datum).

77 77 77 79 79 79	
Soil Fs. Ft. In. Fs. Ft. In.	
	Brought forward 11 4 6
Dry gravel 0 4 6	Darkish scared metal
Gravel and water · 3 5 0	and girdles 2 5 6
Dry gravel, and stony	and girdles 2 5 6 Black metal 0 0 3
near the bottom 1 3 2	COAL, foul 0 0 7
Gravel and sand, with	3 0 4
water 1 1 10	Grey metal stone
Blue stony clay 1 2 0	girdles and water 1 1 0
Sand and layers of	Strong white post
elay 0 3 6	partings and water 0 5 0
Leafy clay 0 2 0	Grey metal stone and
Strong clay 1 3 6	whin girdles 4 0 11
11 4 6	Dark grey metal 1 3 3
11 4 0	Dark grey metar I 5 5
0 110	110
· Carried forward 11 4 6	Carried forward 7 4 2 14 4 10

# No. 2.171.—WEST AUCKLAND.—CONTINUED.

Brought forward Black metal and water at bottom COAL	Fs. Ft. In. Fs. Ft. In. 7 4 2 14 4 10  0 2 3 0 0 8	Brought forward Grey metal, metal stone, and post girdles 3 1 8  Mixture whin and
Grey metal Grey scared post and metal stone Black metal and scares of coal COAL	1 0 10	grey post 0 1 2 Grey metal stone 0 1 10 Black and grey metal 0 2 0  COAL 3 10  COAL, foul 0 2  0 4 0  4 4 8
Carried for	ward 24 2 4	Total <u>29 1 0</u>

# No. 2,172.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

Strata bored through in the South District of West Auckland Colliery, near the Pumping Engine Pit, close by the Footpath at Evenwood. First Hole. 1835.

						_	
Q 49				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1					Brought forward 5 2 0 7 1 6
Strong blue clay	1	0	6				Metal partings 0 0 3
Gravel and water	0	1	4				White post 0 2 6
Strong blue clay	5	4	8				Metal partings 0 0 2
8				7	1	6	White post 0 4 7
Grey metal, with post							Grey metal 0 1 6
girdles	2	0	8				Black metal 0 1 11
Whin		1					COAL 0 3 3
Grey metal, with post							7 4 2
	1	<b>2</b>	0				Thill 0 5 10
Brown post	0	0	9				Grey gullety post 0 3 4
Soft partings and							Metal parting 0 0 4
water	0	0	2				White post 0 5 0
Brown post and a dry							Metal parting 0 0 3
gullet that set away							White post 1 3 7
the water	0	2	7				4 0 4
TTTT A.	_	0	6				
	_						
Carried forward	5	2	0	7	1	6	Total 19 0 (

#### No. 2,173.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat.

Long.

Second Hole, south from the Engine, and South-west from the First Hole, in the North-west Corner of the Pasture Field. Begun May 14th, 1835.

Approximate surface level feet above sea (Ordnauce datum).

Soil			Ft.		Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 19	Ft.	In 3
			1	6				Blue and grey thill	1	2	6			Ĭ
Grey metal		3	2	0	•			Grey post	0	3				
Brown post, wi								Brown partings and						
water		<b>2</b>	5	7					0	0	4			
Grey metal and po								White post	0	3	0			
		3	3	0				Soft partings and		-				
								water	0	0	2			
α .			1							2				
Blue metal, with ir						-						2	5	0
		4.	4	0								_	_	Ť
			0					6						
	-				19	3	3							
			_				_							_
Carrie	d fo	rw	ard		19	3	3	Total				22	2	3

#### No. 2,174.—WEST AUCKLAND.

#### TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

An Account of Strata sunk through at Windlestone Wallsend Pit, West Auckland Colliery. November 28th, 1837.

Approximate surface level

feet above sea (Ordnance datum).

Brown soil		Ft.			Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 10		
Gravel, with water	3	0	0				Grey thill stone	0	3	0			
Strong gravelly clay	1	4	0				Grey metal stone	0	2	6			
Gravel	0	<b>2</b>	0				Brown post	0	5	6			
Strong gravelly clay	<b>2</b>	0	0				White post						
	_			7	3	0	Whin stone	0	4	6			
Blue metal stone	0	4	0				White post, with coal						
Whinstone girdles	0	1	8				pipes	3	4	6			
Grey post girdles	0	4	6				COAL	0	1	0			
Blue metal stone	0	3	0								8	5	0
Black metal stone	0	<b>2</b>	0				Grey thill stone	1	1	0			
COAL—Yard Seam	0	3	4				White post mixed						
				3	0	6	with whin	0	5	0			
													-
Carried for	var	d		10	3	6	Carried forward	<b>2</b>	0	0	19	2	6

# No. 2,174.—WEST AUCKLAND.—CONTINUED.

Brought forward		Ft. 0		Fs. 19		In. 6	Brought forward	Fs.	Ft.	In.	Fs.		In.
Blue metal, with iron							Grey thill stone		1	0	00	-	
girdles	2	0	6				COAL (at the dip						
Splint and coal	0	3	0				side of the shaft)	0	0	6		-	
Dark grey thill stone		0	5				Blue metal stone	1	2	0	1	1	6
OOAL	_		_	4	4	11	COAL			6			
Grey metal stone and					_			_		_	1	2	6
post girdles	2	0	0				Grey thill stone	0	3	0	-	_	
Blue metal, with iron							Grey metal stone	1	0	0			
girdles			0				Blue metal stone		0	-			
Black metal	0	4	0					1		0			
Grey metal and post girdles	2	3	0				Blue metal stone	2	0	0			
White post, mixed	2	o	U				coal (at the rise side of the shaft)	0	0	4			
with whin and me-							side of the shart)	_	-	4	5	3	4
tal partings	2	3	0				Grey thill stone	0	3	0	0	Ü	-1
Grey metal, with iron-							White post stone,						
stone balls			0				with metal partings						
Blue metal			0				Blue metal		4				
Grey metal and post	1	3	0				COAL	0	5	8	_		
coal (at rise side of shaft)	0	0	4								7	1	8
shaft)	_		_	15	1	4							
				_									
Carried for	war	d		39	2	9	Total				<b>54</b>	5	9

# No. 2,175.—WEST AUCKLAND.

TOWNSHIP OF

AUCKLAND, DURHAM.

Sheet of Ordnance Map. Lat.

, Long.

Account of the Boring near Royal Oak, West Auckland, the property of R. Surtees, Esq. March 28th, 1854.

Brown ramble Fs. Ft. In. Fs. Ft. In. 2 0 0	Brought forward Fs. Ft. In. Fs Ft. In. 17 1 10
Brown and grey post 2 0 0	Grey post, with metal
Grey metal and post	partings 0 5 0
girdles 1 3 0	White post 0 5 0
White post, with water 2 2 0	White post, mixed
COAL, foul 0 0 11	with whin, set away
7 5 11	the water 3 2 0
Dark metal, mixed	Grey metal stone 2 3 0
with coal 0 1 0	Grey metal stone 2 3 0  Black metal 0 3 6
Brown and grey post 2 0 6	Into whin 0 1 0
Grey metal and post	8 1 6
girdles 6 4 4	0 1 0
Grev post 0 1 9	·
Grey post 0 1 9 COAL, foul 0 0 4	
9 1 11	
Carried forward 17 1 10	Total 25 3 4

# No. 2,176.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through near Staindrop Field House, West Auckland Colliery. 1867

Approximate surface level feet above sea (Ordnance datum).

								_					
				Fs.	Ft.	In.			Ft.				
Soil	0	2	0				Brought forward	L	T	8	24	4	3
Brown post	1	0	2				White post, with coal		_				
White post, with black			_					1	1	2			
partings and water	0	5	9				Blue metal stone, with						
Brown post	1	3	<b>2</b>				ironstone girdles	2	0	0			
Grey post	0	2	0				Grey post, with blue						
Brown post	1	0	10				metal partings and						
Grey post, with coal								1	2	4			
pipes	0	4	7					0	5	9			
Brown post	1	ō.	ò				1	ŏ	4	9			
Grey post, with black	~	Ü	·				COAL, with water—		-	·			
	1	4.	10					0	4	3			
partings							Busty - bank Beam	J	4	0	0	-	11
Cannel and coal	0	2	4			0	-	_		_	8	T	11
			_	9	1	8	1	0	3	0			
White post	0	0	8				I	2	2	8			
Black stone	0	1	1				Grey metal stone, with						
Seggar clay, with iron-								0	2	<b>2</b>			
stone balls near the								1	0	0			
bottom	0	3	10					0	<b>2</b>	3			
White post	0	3	7				Blue metal	1	0	0			
Strong brown post	0	0	9				Grey metal, with post						
White post	ŏ	4	5				girdles and coal						
Grey metal stone, with	•	_	·					1	1	6			
	0	3	8				White post, with black	•	•	U			
	0	o	U					3	1	0			
									1	_			
brown metal part-	^	0					COAL	0	_	0			
ings	0		11				COAL	0	0	3	• •		
COAL	0	0	2				-	_			10	1	10
				3	4	1		0	4	4			
Grey thill stone	0		10					0	4	0			
Grey metal stone	2	0	7					0	3	6			
Blue metal, with iron-							White post	1	0	Ű			
stone girdles	<b>2</b>	1	6				Black stone	0	4	0			
COAL	0	1	1				Blue metal	0	4	2			
				5	3	0		0	0	3			
Grey thill stone	0	2	9					0	ō	2			
Blue metal	Ő	3	4					_			4	2	5
3373 */	ĭ	4	3				Blue metal	0	1	8		_	
		-30	o				C 1	0	ō	8			
Blue metal, with iron-	2	9	8				Cannel	J	U	0	0	2	4
stone girdles	3_	2					D1 1 4		_		U	Z	4
COAL	0	0	6					0	0	4			
~				6	1	6		0	3	4			
Grey thill stone, with							White post	0	0	6		-	
ironstone balls	0	<b>2</b>	4				_				0	4	2
Blue metal, with irou-													
stone girdles	0	5	4										
_	_												
Carried forward	1	1	8	24	4	3	Total				48	4	11
										=			

# No. 2,177.—WEST HARTLEPOOL.

#### TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 40′ 4″, Long. 1° 12′ 11″.

#### Boring at Cement Works, West Hartlepool (Casebourne & Co.). 1887.

Wall marriagaly apple				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Well previously sunk	1	9	0				Brought forward 94 4 6
Red sandstone	1	4	0				Red marl, with veins
Level David	Т	49	U				of gypsum with red
Red sandstone, with	,	1	^				sandstone 1 4 0
beds of red marl	อ	1	0				Strong marl, with
Red sandstone and	_	_	^				thick veins of gyp-
marl mixed	9	3	0				sum 3 3 6
Red marl, with beds		_					Red marl, with veins
of red sandstone	4	3	0				of gypsum and blue
Red and grey sand-							joints 0 5 6
stone, with beds of							Anhydrite 0 4 0
red marl		2	0				Anhydrite, with veins
Red sandstone		1	0				of gypsum 2 0 0
Red marl	5	5	0				Anhydrite 0 2 6 Blue mark 0 0 8
Red marl, with beds							Blue marl 0 0 8
of sandstone	3	2	0				Red marl, with blue
Red marl	6	2	0				joints and veins of
Red marl, with thin							gypsum 4 3 10
beds of red sand-							Anhydrite 1 1 0
	5	2	0				Anhydrite, with black
Red marl	7	3	Ō				joints and veins of
Red marl, with veins	•	·	·				gypsum 1 5 0
of gypsum	15	5	0				Anhydrite, with black
Red marl, with veins	10	·	v				joints 2 4 0
of gypsum and blue							Anhydrite, with spots
	O	1	0				
joints	9		U				or SJ psumini
Red marl, with blue	0	4	2				Anhydrite, with gyp-
joints	U	4	Z				Sum
Red marl, with veins							Anhydrite, mixed with
of gypsum and blue							limestone 2 3 8
spots	0	4	6				Limestone, with gyp-
Red marl, with veins							sum 6 4 0
of gypsum with blue							128 2
joints	4	0	10				
							120 0
Carried forward	0.4	4	- 6				Total 128 2

#### No. 2,178.—WEST HARTLEPOOL.

TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 40′ 27″, Long. 1° 12′ 18″.

Boring at Cellulose Works, West Hartlepool. 1888.

Approximate surface level feet above sea (Ordnance datum).

Old well	$6 \ 1 \ 0$	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 22 3 0 8 5 0
	$\begin{array}{cccc} 2 & 1 & 0 \\ 0 & 3 & 0 \end{array}$	0 7 0	Brown limestone 0 4 0 Dark shaly limestone,
Yellowish white lime-		8 5 0	large grained 5 3 0 Yellowish white porous
stone, soft and porous			limestone 2 0 0 30 4 0
Carried forward	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8 5 0	Total <u>39 3 0</u>

# No. 2,179.—WEST HARTLEPOOL.

TOWNSHIP OF HARTLEPOOL, DURHAM.

Sheet 37 of Ordnance Map. Lat.  $54^{\circ}$  42' 10'', Long.  $1^{\circ}$  11' 53''.

Diamond-boring at the Warren Cement Works, near Hartlepool, by Mr. John Vivian. 1888.

Sand 3 4 0  Soft mud and peat 1 2 0  Red clay 3 0 0  Red pinnel, with small cobbles 1 0 0  Dark pinnel and cobbles 3 0 0	Ps. Ft. In. Fs. Ft. In. Brought forward 15 3 0   Red clay 0 2 0   Soft sandstone 0 1 0   Red clay 0 1 0   Red clay 0 1 5   Anhydrite 44 1 7   Dark grey limestone 6 2 0
Pinnel and cobbles 0 2 0 Dark pinnel and cob- bles 3 1 0	67 0 0
Carried forward $15 3 0$	Total <u>67 0 0</u>

# No. 2,180.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43′ 36″, Long. 1° 29′ 41″.

Section of Strata sunk through at West Hetton Engine Pit.

	Fa	TF+	In. F	n TF4	٠.	Γn	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0	э. т	υ	LIL.	Brought forward 0 0 4 19 4 6
Yellow clay	1	5					
Gravel, with water	1	3	0				Five-Quarter Seam—
Blue clay, with	_						COAL, good 3 0
tumbling stone	6	0	0				Splint 0 6
Soft grey metal	2	1	2				_
Brown post, with	^		•				0 3 6
water	0	1	2				0 3 10
Grey metal, with iron-	^		^				0 11 11
stone girdle	0	3	0				Grey metal stone, with
Brown post, with	^	Λ	10				water 1 3 2
water	0		10				White post, mixed with whin and water 0 3 0
Grey metal Black metal	0	5 2	0				
Black metal Soft grey metal	0	5	6				Grey metal and metal stone 2 0 0
Strong white post,	U	J	U				White post, with water 0 2 0
with water	0	4	6				Grey metal 2 3 0
Grey metal, with iron	·	-	U				COAL 0 2 4
girdles	0	2	0				0 2 1
Black stone or splint	ŏ	3	ŏ				7 1 6
Grey metal	ŏ	4	Ŏ				Grey metal 1 2 0
Black stone or splint		ī					Grey metal 1 2 0
Grey metal	0	3	6				Ft. In.
COAL, foul	0	0	8				COAL 1 7
			1	7	5	6	Band 0 5
Grey metal	1	0	0				COAL 2 8
Grey metal Ft. In.	1	U	U				0 4 8
COAL, foul 0 10							2 0 8
Grey metal 3 0							Into post 2 2 0
COAL, foul 1 2							11100 post 2 2 0
	0	5	0				
	_		— :	1 8	5	0	
Grey metal	0	0	4				
	_	_				_	Total 32 0 6
Carried forward	0	0	4 19	) 4	4	6	Total 32 0 6

#### No. 2,181.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

An Account of a Boring in West Hetton Pit from the bottom of the Main Coal Seam. February 20th, 1850.

Approximate surface level

feet above sea (Ordnance datum).

Sunk to the scaffold	Fs.					In.	Brought forward				Fs.		
Metal pipe				21	U	U	,	0	4	1	44	Z	9
Strong grey metal	U	_	U				White post, mixed						
stone, inclining to							with whin	0	1	6			
post	8	5	0				with whin White post COAL—Low Main	0	3	2			
Whin	ŏ	ĭ	7				COAL-Low Main	_	_	_			
White and grev post	3	5	2				Seam	O	2	,6			
Whin White and grey post COAL, soft	0	1	2								9	5	3
,				16	2	11							
Grey metal	0	0	4				Into grey metal				0	4	10
Grey metal stone, set away water at 2 ft.													
6 in from the top	8	3	9										
							Total				55	^	- 0
Carried forward	8	4	1	44	2	5	10ta1		• • •		99	U	0

# No. 2,182.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of a Boring in the First Hole in Westerton Estate. October 5th, 1838.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil 0 1 6	Fs. Ft. In. Fs. Ft. In. Brought forward 14 3 5
Leafy clay        4       4       6         Blue stony clay        7       0       0         Grey metal        2       1       6         Ft. In.	Grey metal 0 3 3 Grey post 0 5 3 Whin 0 0 7 Grey post 0 0 9
Grey metal band 0 2  COAL 0 8  COAL, foul 0 3  Grey metal 0 5  COAL, foul 0 1	In grey metal 0 0 5
	Total <u>16 1 8</u>

# No. 2,183.—WESTERTON.

#### TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Second Hole in Westerton Estate, about yards from the village. November 2nd, 1838.

Approxima	auc 1	Sulli	acc	101	CI		eet above sea (Ordnance datum).
Yellow and blue strong clay	3	Ft.	9	Fs.	Ft.	īn.	Brought forward 2 5 3 28 3 2  Grey metal stone 0 5 7
Grey post Grey metal Black metal Ft. In.		5 1 0 0	9				Grey metal, with girdles 1 0 3 Black metal 0 1 9 COAL, foul 0 0 5
COAL 1 4	0	2 ]	10	6	5	9	Grey metal 1 2 8 Grey metal stone 1 3 9
Grey metal Grey post, boxed to the top of the stone		1	2				Soft grey metal 0 1 1  COAL 1 0  Grey metal band 0 1½  COAL for 0 2
with wood Grey metal COAL	1 0	0	10	5	0	8	COAL, foul 0 6 0 1 7½ 3 3 1½
Grey metal and foul coal Grey metal	0	1	4 2	ř	J	J	Grey metal 0 3 0 Grey metal stone 2 3 3 Black stone 0 3 1 Grey metal 0 4 9
Grey metal	$\frac{0}{1}$	1	1 - 6	0	4	7	Black metal 0 0 10   Grey metal 2 4 11   COAL, foul 0 1 0
Grey post, which set away the water Grey metal COAL, foul, mixed	0 3	5 : 2	10 8				COAL 0 0 6  ——— 7 3 4  Dark grey metal 0 0 6
with brass Strong grey metal	0	2	4	6	0	4	Grey metal, metal stone the last 2 ft. 2 1 0 Five-Quarter Seam—
stone Grey post COAL	0 0 0	4 5 0	8 7 8				COAL, strong, with a small scare of brass at 13 ins. Ft. In.
Blue metal Whitish grey post Grey metal stone	$\frac{3}{2}$	1 5 2	6 2 8	1	4	11	from top 3 2 Splint 0 8 0 3 10
Black metal COAL, foul	0	0	6	7	4	11	Grey metal 0 0 10 Grey metal stone, with
Grey metal, scared with coal Grey metal Grey post	0 0 2		1 6 8	·			girdles 2 3 2 Whin 0 1 8 Grey metal stone, with post girdles 0 4 7
Carried forward	2	5			3	2	Carried forward 3 4 3 47 4 2

# No. 2,183.—WESTERTON.—Continued.

Brought forward				Fs. 47			Fs. Ft. In. Fs. Ft. In. Brought forward 12 1 0 47 4 23
Dark metal, with hard							Main Coal Seam-
girdles and water	<b>2</b>	0	0				Ft. In.
Black metal	0	1	3				COAL 1 3
Strong grey metal							Black metal
stone, with girdles	1	1	2				band 0 1
Whin .	Ο	1	4.				COAL, strong
Grey metal stone White post	0	1	3				and coarse
White post	0	2	0				thelast 3 ins. 3 3
Grey metal stone	0	2	10				0 4 7
Whin	0	1	8				12 5 7
Grey metal stone, with							Grey metal 0 0 3
whin girdles	3	3	0				Grey metal 0 0 3 In whin or ironstone 0 0 1
Black metal	0	0	š				0 0 4
0 110 1	10	-	_	45			m + 1
Carried forward	12	T	U	47	4	$2\frac{1}{2}$	Total 60 4 1½

# No. 2,184.—WESTERTON.

#### TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of Boring in the Third Hole in Westerton Estate. June 20th, 1839.

Approximate surface level feet above sea (Ordnance datum).

Clay Sand	Fs. 3	5	In. 0 3	Fs.	Ft.	In.	Brought forward 8 0 1 14 2 Metal 0 0 2
Clay	7	$\frac{1}{3}$	9				Ft. In.
Grey metal	1	<b>2</b>	8				COAL 0 5   Metal 0 2
COAL Ft. In.							Metal 0 2 COAL 1 3
Grey metal 0 2							0 1 10
COAL 0 4							8 2
	0	1	9				Grey metal 0 3 4
				14	2	5	Grey metal stone 1 2 7
Grey metal	0	2	1				Whin 0 1 1
Grey metal stone, with	-	_	10				Grey metal stone 1 5 11
girdles	1		10				Black metal 0 0 3
Grey metal Dark metal	0		$\frac{11}{3}$				Supposed Five-Quarter Seam— Ft. In
Black stone	ñ	1	2				Seam— Ft. In. COAL, good 3 3
Dark blue metal	ĭ	î	6				COAL, splint 1 4
Black stone	ō	1	š				— 0 4 7
Grey metal	0	5	4				4 5
Grey metal stone	1	5	4				In grey metal 0 0
Black metal, scared							
with $coal$	0	0	5				-
Carried forward	8	0	1	14	2	5	Total 27 4

#### No. 2,185.—WESTERTON.

#### TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 40′ 10″, Long. 1° 38′ 14″.

Strata sunk through at Westerton Colliery to Five-Quarter Seam. Begun January 21st, 1840.

Approximate surface level 450 feet above sea (Ordnance datum).

Soil Strong blue clay Dry sand Gravel and quicksand, with water Strong brown clay	5 2 0 2 3 0 1 3 0	Fs. Ft. In. Fs. Ft. In.  Brought forward 4 0 0 11 5 0  Five-Quarter Coal  Seam— Ft. In.  COAL, good 3 1  COAL, splint 1 2
Soft grey metal Grey post, with metal partings and water Dark grey metal, with ironstone girdles	1 1 0	Strong grey metal, with post girdles and water 0 5 0
Carried forward	$\frac{1}{4}  \frac{3}{0}  \frac{0}{0}  \frac{1}{11}  \frac{5}{5}  \frac{0}{0}$	Total 17 2 3

This pit was sunk to the Main Coal Seam after the pump and engines were set to work about 11 fathoms further.

The cover of the Five-Quarter Seam has a very large quantity of ironstone in it.

#### No. 2,186.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in the Engine Pit, at Westerton Colliery.

May 27th, 1840.

Approximate surface level

feet above sea (Ordnance datum).

	Fs. Ft	. In. F	s. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Outset				Brought forward 10 5 6
Soil	0 1	0		Strong clay, with
Loamy sand	0 1	2		sandy stones 1 4 0
Brown clay	0 3	10	*	Soft grey metal 1 1 0
Loamy sand, with a				Grey post, with water
spring of water	0 2	0		and metal partings 1 0 0
Strong brown clay	4 3	0		Dark grey metal 1 1 0
Dry sand	1 5	0		Five-Quarter Coul
Very strong brown				Seam— Ft. In.
clay	1 3	0		COAL 3 1
Quicksand				Splint 1 3
Clay and sand, with				0 4 4
gravelly stones		6		16 3 10
Quicksand	0 8	6		
Carried forward	10 8	6		Total 16 3 10

The above was 9 feet in diameter when sinking and 7 feet when walled, and was sunk for £4 10s. per fathom.

#### No. 2,187.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Boring in Westerton Royalty, East Place. March 4th, 1867. Approximate surface level feet above sea (Ordnance datum).

		Ft.	In.	Fs.	Ft. I	In.	Fs. Ft. In. Fs. Ft. In.
Sand and clay							Brought forward 6 3 6 52 0 3
Grey metal	ΤÖ	9	4				White post, mixed
Black metal and coat	ō	Z	4				with whin (got,
Black metal and coal Grey metal Black metal	ь	4	3				July 26th; through,
Black metal	0	1	0				Sept. 23rd) 3 3 0 Grey metal parting 0 3 0
Grey metal, with			_				Grey metal parting 0 3 0
strong post girdles	11	1	5				White post, mixed
Dark metal	3	4	0				with whin (through,
Grev metal, with post							Dec. 28th) 5 1 0
girdles	4	1	0				Black metal, mixed
Dark metal, with post							with coal 0 0 8
girdles	1	0	0				Grey metal, with
girdles COAL	0	3	1				girdles 6 1 0
				41	$^{2}$	1	White post, mixed
Grey metal Whin	<b>2</b>	2	0				with whin 3 2 0
Whin	0	1	8				Grev metal 0 3 0
Grey and dark metal,							White post 0 1 4
with girdles	8	0	0				Grev metal 0 2 0
with girdles COAL	0	0	6				with whin 3 2 0 Grey metal 0 3 0 White post 0 1 4 Grey metal 0 2 0 Dark metal, scared 0 2 6 COAL 0 4 4
				10	4	2	COAL 0 4 4
Dark grey metal	6	3	6				27 3 4
	•	-					Into grey post 0 0 2
			_				and groj post
Carried forward	6	3	6	<b>52</b>	0	3	Total 79 3 9
Sullica Iol wald	0	_	•	-	Ü	-	Total 79 3 9

# No. 2,188.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Westerton Colliery.

Approximate surface level feet above sea (Ordnance datum).

Ti- Tit T- Ti Til T	
Fs. Ft. In. Fs. Ft. In. Soil and loose stones 1 5 0	Brought forward 0 3 4 16 0 4
Clay 2 4 0 Strong blue clay 0 5 0	Post girdles 1 0 1
Strong blue clay U 5 U	Post 0 3 3
Clay, mixed with loam 1 2 0	Grey post 0 0 5
Sand 0 4 0	Post 0 3 0
Clay, mixed with stones 3 1 0	Blue stone 1 5 7
Sand 0 2 0	Jet 0 1 5
Gravel 0 5 0	Grey metal 1 0 7
Blue clay and loose	777
stones 1 3 6	
	Post 0 1 8
Five-Quarter Coal	Grey metal 0 5 0
Seam— Ft. In.	Post 0 0 5
COAL 3 0	Blue metal 3 3 11
Splint 1 4	COAL-Main Coal
0 4 4	Seam 0 4 6
16 0 4	12 1 2
Fire clay 0 3 4	
	-
Carried forward 0 3 4 16 0 4	Total 28 1 6

# No. 2,189.—WEST PELTON.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51′ 37", Long. 1° 38′ 19".

# An Account of Strata sunk through in the Engine Pit at West Pelton Colliery. Approximate surface level 345 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset	1	0	0				Brought forward 8 5 6 27 3 9 4
Soil	0	1	0				Blue metal 0 0 4
Gravel	0	5	0				Grey post 0 4 0
Sand, gravel, and loam	1	2	0				Blue metal 0 0 9
Strong clay	7	1					Grey post, with much
buroug oldy				10	3	6	water, engine going
Leafy post, mixed with				10	U	U	
	^	4	c				1 2
blue	0	4	6				minute 8 3 8
Five-Quarter Seam—							Maudlin Seam-Ft. In.
COAL mod 2 0							COAL, good 3 0
COAL, good 3 0							Band 0 1
Splint 2 0	_	_	_				COAL, bot-
	0	5	0				tom 0 6
	_			1	3	6	— 0 3 7
Seggar clay	0	5	0				18 5 10
Blue stone, very soft	2	1	6				(III) -1 0 0 10
Grey metal	0	4	6				
Post, mixed with grey	-	_	•				
metal	0	2	0				Strong grey post, with
C	2	õ	3				grey metal partings 1 1 0
							Blue metal 2 0 0
Grey post, with gullets	0						Black stone 0 1 3
Soft blue metal	1	5	3				COAL-Low Main
Black stone	0	0	3				Seam 0 3 0
COAL—Main Coal							4 2
Seam	0	4	9	1/4			Grey metal, with stony
	_			- 9	1	$1\frac{1}{4}$	post girdles 1 3 2
Seggar clay	0	0	8				0041
Grev post	0		10				COAL 0 1 3 1 4 5
White post, with water			9				
Grey metal	õ		6				111
	0						Grey post, with metal
Black stone	U	9	о				partings 1 3 0
Grey metal, with iron	_	_	_				Whin girdle 0 2 0
halls	0						Grey post 0 4 9
Black stone	0	-					Grey metal 0 4 0
Grey metal	1	0	C	)			Grey post, mixed with
COAL, with white							grey metal 1 1 2
spar	0	0	0	1			( 0 0 111
					1	$8\frac{1}{2}$	Blue metal $\left\{ \begin{array}{c} -0.0214 \\ \hline 0.223 \\ \end{array} \right\} *$
Seggar, with mussel					_	- 2	
ahalla	0	2	(				Grey post 0 1 7
Grey metal, with post		_		_			Blue metal, with iron-
							stone girdles 0 2 1
girdles	2	2	4	4			Hutton Seam- Ft. In.
White post girdles,							COAL, good 3 9
with whin and water		-					COAL, coarse 1 6
Grey metal	0	0					0 5 3
Yellow post	4	. 1	. (	)			6 3
	_			-			Total 59 2 1
Carried forward	8	5	6	27	3	$9\frac{3}{4}$	10001 50 2 1

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,190.—WEST PELTON.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map.	Lat.	, Long.
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Account of Boring in West Pelton Pit. June 18th. 1859.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe				 	 1	3	0			
White post				 	 1	3	0			
Metal			• • •	 	 6	3	0			
White post,	with	soft pa	rtings	 	 13	5	0			
COAL				 	 0	3	10			
					_		<del></del>	23	5	10
Metal				 	 3	5	6			
COAL, into	)			 	 0	1	0			
•								4	0	6
			Total	 		٠		28	0	4

# No. 2,191.—WEST PELTON.

#### TOWNSHIP OF PELTON, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of Strata sunk in the Six-Feet Staple, Handen Hold. 1857.

Approximate surface level feet above sea (Ordnance datum).

Rubbish Sand and gravel Strong blue clay Soft grey metal	1 1 1	1 2 4	In. 0 0 6	Fs. 4	Ft.	In. 6	Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Five-Quarter Seam—  Ft. In.  COAL, good 3 6 Splint 3 0
Grey freestone	1	3	6				1 0 6
Soft blue metal	0	0	6				11 3 9
COAL	0	0	8				Seggar clay 0 0 10
				3	<b>2</b>	<b>2</b>	Blue metal 0 4 2
Seggar clay	0	$^{2}$	6				Strong grey post 1 4 6
Blue metal, with iron-							Blue stone, mixed with
stone balls	1	<b>2</b>	0				ironstone girdles 3 1 0
Black stone, mixed							COAL — Main Coal
with $coal$	0	-	10				Seam 0 5 1
Dark seggar clay	0	3	4				6 3 7
Black stone	0	1					Seggar clay 0 2 0
Blue metal	0	5	0				Grey post 0 0 10
Strong grey post, with			_				White post 0 1 5
blue metal mixed	6		9				Dark grey post 0 3 7
Black stone	0	3	6				White post 1 1 4
Carried forward	10	3	3	7	3	8	Carried forward 2 3 2 25 5 0

# No. 2,191.—WEST PELTON.—CONTINUED.

Brought forward Blue metal	Fs. 2 1	Ft. 3 2	In. 2 6		Ft. 5	In. 0	Brought forward 16 4 11 32 4 9  Maudlin Seam—
Black stone, with iron- stone girdles Blue metal, with iron-	1	2	0				COAL, good 0 11
stone girdles	1	3	3				COAL, bandy 0 9 COAL, good 1 1
COAL, black slaty	ō		10				— 0 2 9
·				6	5	9	17 1 8
Seggar clay	0	1	5				Thill stone 0 1 8
Grey post	0	4	1				Post 0 1 6
White post	3	1	0				White girdle 0 1 6
Grey metal, mixed with	_						Blue stone 0 2 4
post	3		11				Whin 0 0 8
Grey post girdle	0	2	6				Blue stone 1 2 1
Grey metal	0	2	8 5				White post 0 0 6
Grey post Grey metal, mixed	1	1	Э				Blue stone 0 2 7
	1	1	0				White post 0 1 8
White post	0	1	9				Blue stone 0 0 6 Whin 0 1 2
Grey metal	ŏ	4	6				
White post	ŏ	1	6				Blue stone, with post girdles $\dots$ $1$ 0 2
Grey metal	ŏ	ī	ŏ				$Hutton\ Seam-$ Ft. In.
White post	0	ō	7				COAL, good 3 10
Grey metal	0	1	9				Slaty band 0 3
White post, with							COAL, coarse 0 6
metal partings	1	0	8				COAL, bandy 1 6
White post	<b>2</b>	0	0				1 0 1
Grey metal	0	0	5				5 4 5
White post	0	0	7				
Grey metal	0	1	0				
White post	0	1	9				
Grey metal	0	0	5				
Carried forward	16	1.	 11 3	29	4	9	Total 55 4 10
- Janica Ioiwala .	-0	T .	TT 0	-2	4	J	10tai 55 4 10

# No. 2,192.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of Section sunk through in the Kettledrum Pit, at West Stanley. 1859.

Outset Soil and clay	Fs. F 1 ( 0 8			Ft.	In. 0	Brought forward Strong brown post	2	Ft. 3 0 0		Fs. 6	Ft. 4	In. 2
Freestone	4 (	0 (				_				4	3	9
Blue metal	0 8	8				Seggar clay	0	1	6			
COAL	0 ]	l 6				Grey metal	1	3	3			
			4	5	2	Grey post	0	<b>2</b>	0			
Seggar clay stone	0 8	3 6					0	1				
Strong grey metal,						Grey whin	0	<b>4</b>	0			
with post girdles	1 8	5 6					0	1	4			
						-						
Carried forward	2 3	3 0	6	4	2	Carried forward	3	1	5	11	1	11

#### No. 2,192.—WEST STANLEY.—CONTINUED.

Brought forward			In.				Brought forward 2 0 2 62 0
Grey leafy post	2		6	11	1	11	
Blue metal			11				Grey metal0 5 4 Brown post1 0 0
Grey metal, with post	Ü	•					Strong grey metal 5 1 9
girdles		0	0				Post girdles 0 0 8
Post girdles		ĭ					Grey metal 1 1 2
Grey metal and iron-							Strong post 0 4 8
stone	0	3	6				Grey metal, with post
Blue metal	4	1	6				girdles 1 2 4
strong brown post	6	1	10				Post stone 0 1 2
Shield Row Seam-							Grey metal 0 1 1
Ft. In							Strong white post,
COAL 1 10							mixed with whin,
Stone band 0 4							and no parting in it 13 2 0
COAL 4 7	1	Ω	9				Post stone 2 0 10
	1	U		28	2	5	COAL — Maudlin
eggar clay	0	4	5	40	2	o	Seam 0 3 6
rey metal		Õ	9				29 0 8
strong brown post			ő				Grey metal stone 2 0 0
	ĩ		6				Low Main Coal Seam—
	õ						Ft. In.
				6	0	4	COAL 1 10
trong grey metal,				•	•	-	Seggar band 1 2
with ironstone	12	4	8				COAL 4 6
live-Quarter Seam-		_	Ŭ				1 1 6
COAL, top Ft. In.							——————————————————————————————————————
coarse 3 8							Thill stone 0 2 0
COAL, good 5 4							Blue stone, with post
, — <u> </u>	1	3	0				and ironstone girdles 1 1 8
			:	14	1	8	dles 1 1 8  COAL—Hutton Seam 0 4 0
lack shining stone	1	1	4				——————————————————————————————————————
OAL — Main Coal							Seggar clay $0 5 0$
or Brass Thill Seam	0	5	1				Grey metal 1 2 0
			_	<b>2</b>	0	5	——————————————————————————————————————
hill stone		4					2 1 0
	1	1	6				
ost stone							
Post stone Carried forward	2	0	2	62	0	9	Total 98 5 7

#### No. 2,193.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of Section in a Borehole put down from the Hutton Seam to the Bustybank Seam, in the Kettledrum Pit, West Stanley. 1873.

Staple sunk:— Grey post Strong post girdles			Fs. Ft. In.	Brought forward Strong grey post	5	Ft. 2 5	4	Ft.	In.
Carried forward	 	—		Carried forward	15	2	0		

## No. 2,193.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	Tn.	Fs.	Et.	In.	Fs, Ft. In. Fs. Ft. In.
Brought forward		2	0	- 4.			Brought forward 6 1 5 26 3 8
Ft. In.							COAL 0 0 3
COAL 1 1							6 1 8
Seggar clay 0 5							Seggar 0 1 6
COAL 0 2							Dark blue metal 0 3 6
	0	1	8				Strong post 1 3 0
				15	3	8	Whin 0 2 0
Grey metal, mixed with							Strong white post 0 3 0
post girdles	4	1	2				Grey post, with part-
Dark grey post	0	4	6				ings 0 4 7
Dark blue metal	3	0	4				COAL 0 1 10
COAL	0	1	4				4 1 5
				8	1	4	
Seggar clay	0	2	7				Seggar clay 0 3 4
COAL	0	0	9				Dark grey post 1 5 3
			_	0	3	4	Grey metal, with post
Seggar clay	0	2	7		_		girdles 0 5 0
COAL	Õ	ō	9				Grey post 0 2 5
				0	3	4	Black stone 0 0 4
Dark post	1	2	6	Ŭ	•	•	Bustybank Seam-
COAL	õ	ī	6				
				1	4	0	COAL 3 10
Dark thill stone	0	1	0	-	-	Ü	Seggar clay 1 8
Strong white post	ĭ	3	3				Grey post 5 4
Grey metal	ō	5	ő				
Grey post	ĭ	2	5				
Whin girdles	ō	$\bar{2}$	9				2 1 6
C	ĭ	ĩ	3				5 5 10
Grey metal	0	3	9				3 3 10
orej metar							
Carried forward	6	1	5	26	3	8	Total 43 0 7
Jailled for ward	U		9	40	9	U	

# No. 2,194.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map.

, Long.

An Account of Strata sunk through from the Hutton Seam to Bustybank Seam, Lamp Pit, West Stanley Colliery. 1874.

To Hutton Seam Grey metal White post 1 Dark grey post Whin girdle Dark grey post	Fs. Ft. In. Fs. Ft. In. 98 5 7 7 4 3 0 0 0 6 6 2 0 0 0 0 10 2 2 0 0 2 0 0	Brought forward    Ft. In.     COAL	21		3 - 2 <b>2</b>		
Carried forward 2	1 0 4 98 5 7	Carried forward	0	1 10	121	0	7

### No. 2,194.—WEST STANLEY.—CONTINUED.

Brought forward Whin girdle	Fs. Ft. In. Fs. Ft. In. 0 1 10 121 0 7 0 1 9	Brought forward 1 2 7 129 0 11 White post 1 1 0
Dark post Blue metal Seggar clay Post girdle Ft. In.	$egin{pmatrix} 0 & 3 & 0 \\ 0 & 4 & 0 \\ 0 & 0 & 10 \end{bmatrix}$	Grey post and metal partings 0 4 8  Ft. In.  COAL 3 0  Seggar clay 2 4
COAL 2 0 Seggar clay 2 6		COAL, cannel 1 0 1 0 4
Grey metal Seggar clay	$\phantom{00000000000000000000000000000000000$	Grey post and metal partings 1 0 6 White post, with part-
Grey metal Whin girdle Grey metal and post	$\begin{array}{cccc} 0 & 5 & 0 \\ 0 & 1 & 4 \end{array}$	ings 3 3 0  Bustybank Seam—  Ft. In.
girdles Blue metal COAL	1 4 0	COAL,good 0 6  Band 0 6  COAL 3 3
Dark grey post Black thill stone	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Seggar clay 2 4 COAL,good 3 0 ———————————————————————————————————
Seggar clay Carried forward	0 1 10	Total 139 4 7

# No. 2,195.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata in the Mary Pit, West Stanley Colliery. October 9th, 1860.

Approximate surface level feet above sea (Ordnance datum).

		t. In.	Fs. I	ft. I	n.	Fs. Ft. In. Fs. Ft. In.
Outset		0 2				Brought forward 3 0 1 11 2 1
Soil and clay	0	<b>5</b> 0				Grey shale 0 1 4
			1	5	<b>2</b>	Leafy grey post 0 2 6
Quarry post	4	0 0				Post stone 1 4 0
Blue shale	0	3 8				Blue shale 8 3 11
COAL		1 6				Grey shale, with post
· · · · · · · · · · · · · · · · · · ·			4.	5	2	girdles 2 0 0
Seggar clay	0	3 6	-	•	_	1 70 1 1 1
	U	0 0				
Strong grey shale, with	1	5 6				Grey shale, with iron-
post girdles	1	9 0				stone girdles 0 3 6
Strong brown free-	~					Blue shale 4 1 6
stone	2		•			Strong post stone 6 1 10
COAL	0	0 3				Shield Row Seam —
			4	3	9	Ft, In.
Seggar clay		1 6				COAL, top 1 10
Grey shale	1	3 3				Stone band 0 4
Grey post	0	2 0				COAL, bottom 4 7
Blue shale	0	1 4				1 0 9
Grey whin	0	4 0				28 2 5
G10,					_	
Carried forward	3	0 1	11	2	1	Carried forward 39 4 6

# No. 2,195.—WEST STANLEY.—CONTINUED.

Brought forward	Brought forward 13 0 4 62 0 11 Strong white post 5 2 0 Strong post, mixed
Strong brown post 2 2 0 Grey shale 1 4 6	with whin 8 0 0 Post stone 2 0 10
COAL 0 0 8	Maudlin Seam—
<del></del> 6 0 4	COAL, clean 0 3 6
Strong grey shale, with ironstone girdles 12 4 8	Shiyayy arey shele 20 0 8
Five-Quarter Seam—	Shivery grey shale 2 0 0  Low Main Seam—
Ft. In.	Ft. In.
COAL, top 3 8	COAL, top 1 10 Seggar clay 1 2
COAL, clean 5 4	COAL 4 6
<u> </u>	1 1 6
Black shivery stone 1 1 4	3 1 6
Main Coal Seam—	Thill stone 0 2 0
COAL 0 5 1	Blue shale, with post
2 0 5	andironstone girdles 1 2 10
Thill stone 0 4 8	Bastard whin 0 1 2
Post stone 1 1 6 Blue shale 0 5 4	Blue shale 1 0 6
	COAL—Hutton Seam 0 4 0
	3 4 6
Strong grey shale 5 1 9 Post stone, strong 0 0 8	COAL, bottom coal
Grey shale 1 1 2	
Post stone 0 4 8	1 ~
Grey shale, with post	~ 66
girdles 1 2 4	
Post stone 0 1 2	2 1 0
Grey shale 0 1 1	
Carried forward 13 0 4 62 0 11	Total 100 2 7

# No. 2,196.—WESTWOOD.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  54' 10'', Long.  $1^{\circ}$  49' 15''.

Strata sunk through in Westwood Winning.

Soft grey metal	-	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 5		In
COAL								0	1	8	·	_	Ť
	_			1	3	8	Blue metal	3		8			
Seggar	0	1	2	-	•	Ū	Hodge Seam- Ft. In.						
	2	1	6				COAL 0 10						
Post girdles	0	ō	7				Black slate						
Soft blue metal, with	1						stone 1 10						
bands of ironstone	0	5	0				COAL 0 4						
Towneley Seam-								0	3	0			
Salint Ft. Ir											4	3	4
D	)						Seggar, strong and						
COAL 1 7	,						rather posty, but		_				
OOAL 1 7	^		1				with no ironstone	_					
-	. 0	Z	Т		4		Brown post	0	1	9			
				3	4	4							
Carried fo	wwo.v	d		5	2	0	0 110 1			 5		5	4
Carried 10	ı waı	u		o	4	J	Carried forward	0	4	9	9	Э	46

### No. 2,196.—WESTWOOD.—Continued.

Brought forward Brown post	0 2	4 0	10	Fs. 9	Ft. 5	In. 4	Brought forward Strong grey metal	2 1	2 5	3 0	Fs. 21	Ft.	In. 7
COAL—Tilley Seam	0	2	10	3	2	1	Soft blue metal COAL—3/4 Seam	0		4 11			
Good seggar Seggar, with iron balls	0		$\frac{6}{2}$				Good seggar	0	1	2	5	1	6
Strong white post Blue metal	0	4 4	10 8				Seggar, with ironstone nodules	0	3	6			
Top Busty Seam— Ft. In. COAL 0 4							Strong grey post	0	5 1	4 0			
Stone band 0 4							Black shale	0	0	6	1	5	0
COAL 2 5	0	3	1	3	1	3	Blue metal Strong white post	1 0		4 10			
Good seggar Seggar, with iron balls	0	$\frac{1}{3}$	5 1	o	1	J	Metal, approaching seggar and mixed		_				
Strong white post Whin girdle	0	4	2				with coal pipes Soft blue metal	0	2 1	4 6			
Blue metal Iron girdle	0	4	4				Brockwell Seam	0	2	6			•
Strong grey post Blue metal	0	4	9 11				Seggar, strong and rather posty	0	2	_	3	0	0
COAL — Bottom Busty Seam	0	3	3			•	COAL, tender and good, but 1 inch of	U	_	Ů			
Good seggar	0	0	10	4	3	11	slate adheres to it	0	0	10	0	2	10
Seggar, dark, and with ironstone nodules	0	5	0				Black slate Post	0 1	0	6	Ĭ		
Strong grey metal Brown whin girdle	$\frac{1}{0}$	$\frac{1}{1}$	$\frac{2}{3}$					_		_	1	0	6
Carried forward	2	2	3	21	0	7	Total			-	32	4	5

# No. 2,197.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in Wheat Bottom Estate, on the right-hand side of the Lane leading to Bishop Auckland from Job's Gate, near Crook. 1838.

					_			
g "					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil		0	0	8				Brought forward 0 4 1 11 3 6
Yellow clay		0	4	0				Ft. In.
Strong blue clay		6	1	4				COAL 0 9
Grey metal stone		1	3	0				Strong band,
Metal		2	5	0				with white
COAL		0	1	6				scares 0 4
					11	3	6	COAL, rather
Grey thill		0	1	0				tender 1 5
Whin girdle		0		7				COAL, rather
Grey metal		0	0	10				foul $\dots$ 0 $1\frac{1}{2}$
Post girdle		0	0	4				COAL, tender 0 5
Dark metal		0	1	4				Bandy metal 0 01
								COAL, tender 0 8
								0 3 9
								1 1 10
								In grey metal.
Carried forwa	ırd	0	4	1	11	3	6	Total <u>12 5 4</u>

# No. 2,198.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM,

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in Wheat Bottom Royalty, near Crook, for Thistleflatt Owners. June 25th, 1850.

Dine and wellow slow	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 34		
Blue and yellow clay, with water	0	9	^				Into dark metal (left				34	U	11
	2 5	3	0				off, August 21st)	٥	0	c			
Brown clay Sand	0	1	6				on, August 21st)	U	U	U			
n .	1	0	6								0	0	6
a 13	ō	3	0				Sunk further in the						
Don't	ő	í	6				Sinking Pit, July						
Grey metal	5	5	ő				10th, 1851:—						
COAL	ŏ	ő					Grey metal	0	1	8			
	U	Ü	10	• •	_		COAL	0	2	6			
				16	0	4	Metal	0	3	5			
Grey metal	1	1	3							_	1	1	7
Black metal	0	1	0				D 14 17				_	-	•
COAL	0	3	7				Bored further:-	_	_				
				1	5	10	Blue metal	0	2	2			
	_	_	_	-	Ü	10	Grey post girdle	0	1	3			
Grey metal	1	3	0				Grey metal	0	4 2	9			
White and brown post	5	1 4	3				COAL	U	Z	3			
White post	0	4	6				·				1	4	5
Strong post, mixed with whin	^		_				Grey metal	3	0	0			
	0	4 3	5 3				Grey post, with water	1	3	6			
White post	0	2	4				Grey metal stone	1	3	0			
COAL	U	Z	4				Black metal	0	0	6			
	_		_	9	0	9	Ft In.						
White post	1	4	0				COAL 4 1						
Grey metal	ō	2	1				COAL, coarse 0 8						
White post	ō	4	7					0	4	9			
Grey metal stone, with	•	_	·					U	-10	U		_	
post girdles	0	4	1				0				6	5	9
Brown and grey post	2	ō	4				Into grey metal				0	1	6
Grey metal, with post													
girdles	0	3	9										
COAL	0	5	2										
				7	0	0							
Carried for	war	d		34	0	11	Total			_	44	2	- 8
							•			-			

# No. 2,199.—WHEATLEY GREEN.

#### TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

# Account of Boring in Wheatley Green Estate. 1839.

Strong Nagalan				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong blue clay Sand, with a siping of	1	5	0				Brought forward 40 3 5 Grey metal 0 2 0
	0	3	0				Grey metal 0 2 0 Grey metal stone,
Blue stony clay	_	3					with whin and post
Grey post		ő					girdles 1 5 0
Grey metal, with	Ů	Ŭ	•				Dark grey metal, with
brown scares	2	3	3				girdles and water 1 4 10
Soft brown post	ō	3	0				COAL, tender and
Grey and brown metal							rather foul 0 2 9
stone, with post							4 2 7
girdles	3	0	0				- 2
Brown post, with			_				Grey metal 0 0 2
_ water	0	5	0				Strong white post 0 1 6
Grey metal stone	0	5	0				Dark grey metal stone 0 2 4
COAL, slaty the first							COAL 0 1 0
2 feet (supposed	•	_					0 5 0
Main Coal Seam)	0	5	2	7.4	0	9	
Grey metal	0	1	0	14	3	2	Grey metal 0 4 0
Grey metal Grey metal stone	0	5	5				White and grey post,
Grey and white post,	U	U	J				with water 0 4 6
with water	1	0	3				Grey metal, with iron-
rey metal stone	4		4				stone girdles and
COAL		-	3				water 2 1 9
			_	6	1	3	Change of Track
Black grey metal, with							Supposed Hutton
scares of coal	0	1	9				Seam— Ft. In.
Grey metal	0	0	6				1117 0
drey and white post	1	4	6				
drey metal, scared							0 3 5
with coal	0	4	0				4 1 8
Grey metal stone	2	1	0				
Strong white and grey							Grey metal 1 0 0
post, with whin	14						In grey metal and
girdles and water Supposed Low Main	14	T	4				metal stone, with
Seam—							freestone girdles 1 1 4
Soft post,							2 1 4
scared with Ft. In.							1040
coal 0 3							100
COAL, burns							
to red ashes 2 10							
COAL, tender							
and rather							
slaty, mixed							100
with brass 0 10							
	0	3					
			—	19	5	0	
Carried for	ward	1		40	3	5	Total <u>52 2 0</u>

# No. 2,200.—WHEATLEY HILL.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnauce Map. Lat. 1  $^{\circ}$  23  $^{\prime}$  59  $^{\prime\prime},$  Long. 54  $^{\circ}$  44  $^{\prime}$  48  $^{\prime\prime}.$ 

An Account of Strata sunk through at Wheatley Hill Colliery. 1869.

Approximate surface level 410 feet above sea (Ordnance datum).

				_			
				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	9				Brought forward 8 4 1 77 5 6
Clay, with sand and			_				Blue metal 2 1 11
	1						Seggar stone, mixed
Strong blue clay	10		0				with ironstone 0 4 0
				12	0	0	Grey metal, with iron-
Limestone marl		4	6				stone balls 2 2 6
	30	4	6				Blue metal, with iron-
Strong white lime-							stone bands 1 4 9
stone,	4	0	0				Black stone 0 0 9
Yellow limestone	0	1	8				COAL, coarse 0 0 6
Blue limestone	<b>2</b>	3	0				16 0 6
White post, mixed							Strong blue post,
with whin	1	5	10				mixed with whin 1 4 6
				53	1	6	Blue metal 0 5 6
Red sandstone, very							Grey metal, mixed
hard	1	1	4				with post girdles 2 2 6
Strong white sand-							Strong blue metal,
stone, mixed with							mixed with girdles
whin	0	4	0				of ironstone 8 5 3
Strong red sandstone		0	_				COAL-3/4 Seam 0 1 9
Dark brown whin-	ō	Õ	6				14 1 6
stone	0	1	$\frac{}{1}$	_	_	*	e .
Strong sandstone	1	i	0				
Strong sandstone	1		U				
	1	Λ	10				${}$ ${}$ 0 0 $\frac{11}{2}$
mixed with seggar	1	U	10				Seggar band 0 0 3
Light sandstone, very	1	4	9				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$\frac{1}{0}$	4.	8				Seggar band 0 0 9
Red sandstone	U	T	0				COAL, coarse 0 1 6
Hard white sandstone,	,	0	8				Thill stone 0 1 2
mixed with whin	1						COAL-5/4 Seam 0 3 11
Reddish grey metal		$\frac{3}{2}$	0				1 3 3
Hard red sandstone	2	z	6		4	^	Seggar 0 0 9
Dlug motel				12	4	0	Seggar stone, mixed
Blue metal		0	0				with ironstone 1 0 7
Grey metal	1	2	4				Hard thill stone 0 2 7
Black metal stone	0	4	0				Grey metal stone 0 3 0
Brown post, mixed	_						Grey metal and post
with whin	0	3	9				girdles 1 2 1
Blue metal	1	0	0				Hard blue post 0 2 0
Metal, with post	_		^				Grey metal, mixed
girdles	0	2	0				with post 0 1 7
Whin	0	1	6				0 2 10
Grey metal and post		_	_				COAL, coarse, and
girdles	0	3	1				shale 0 0 9
White post, mixed							4 4 2
with whin	1	5	5				
0 110 1	_						Carried forward 114 2 11
Carried forward	8	4	1	. 77	5	6	Carried forward 114 2 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,200.—WHEATLEY HILL.—CONTINUED.

Brought forward   1									
Main   Coal Seam	Grey metal, mixed with post	3	3	7	. Fs. 114	Ft. 2	In. 11	Brought forward 1 3 4 152 2  Dark grey metal, with post girdles 1 0 0  COAL 0 0 8	a. 3
Continued sinking in the No. 2 Pit, from the same level, the Pits being 66 yards apart:	Ft. In.							Grey metal, with post girdles 2 0 1	Q.
Continued sinking in the No. 2 Pit, from the same level, the Pits being 66 yards apart:—	Band 0 3			1				girdles 2 1 8	
Soft seggar   0 0 0 4   Grey metal   1 0 0   Strong grey metal   2 0 0 0   Grey metal   1 1		0	4	4	10		,		9
the No. 2 Pit, from the same level, the Pits being 66 yards apart:—           Seggar 1 1 0         1 1 6           COAL 0 0 6         1 1 6           Blue metal 2 0 0         1 1 6           Grey metal 1 5 6         Strong grey metal, with strong grey metal, with strong in girdles         1 3 0           Blue metal 2 0 0 1 6         1 3 0           COAL, with gas 0 1 6         2 2 0           Grey metal, with scares of coal and strong thin girdles         2 2 0           Strong white post, mixed with iron girdles 8 0 0         8 0 0           White post, scared with coal 0 0 2 6         2 1 0           Grey post, scared with coal 0 0 2 6         2 1 0           Grey post, scared with coal 0 0 2 6         2 2 0           Seggar 0 1 6 6 Grey metal, with iron girdles 0 2 0         13 2 6           Seggar 0 1 6 Grey metal, with post girdles 0 2 0         13 2 6           Black stone 0 0 1 6 Grey metal, with ironstone balls on the post metal, with ironstone balls on the post metal, with ironstone girdles 0 0 0 6           Strong grey metal, with ironstone girdles 0 0 0 6         2 0           Black stone 0 0 0 6					10	3	1		
Pits being 66 yards   apart:	the No. 2 Pit, from							Post, with grey metal	
Segar       1   1   0   0   6   0   0   6   0   0   6   0   0	$Pits\ being\ 66\ yards$							Strong post, with iron	
Blue metal	Seggar	1	1	0				Grey metal 1 1 2	
Blue metal 2 0 0 Grey metal 1 5 6 Strong grey metal 1 5 6 Strong grey metal 1 5 6 COAL, with post girdles 1 3 0 COAL, with gas 0 1 6 Grey metal, with scares of coal and strong thin girdles Strong white post, mixed with iron girdles 8 0 0 White post, scared with coal 0 2 6 COAL — Lov Main Seam 0 3 0 Black stone 0 1 6 Grey metal, with post girdles 4 2 6 Strong grey metal, with post girdles 4 2 6 Strong blue metal 0 0 0 6 COAL 0 0 0 6 COAL 0 0 0 6 COAL 0 0 0 6 Strong grey metal, with post girdles 4 2 6 Strong blue metal, with iron balls 2 1 0 Black stone 0 0 0 6 COAL 0 0 0 6 Strong grey metal, with ironstone balls 0 2 0 Black stone 0 0 0 6 COAL	COAL :	0	0	6	1	1	6		
COAL	Blue metal	2	0	0	_	_	1		
COAL, with gas     0   1   6   6   5   4   0	Grey metal Strong grey metal,							COAL (Oct.	
Crey metal, with scares of coal and strong thin girdles   2   2   0				-	_			COAL, can-	
Segar					5	4	0	0 4 3	9
mixed with iron girdles 8 0 0  White post, scared with coal 2 1 0  Grey post, scared with coal 0 2 6  COAL — Low Main  Seam 0 1 6  Grey metal 0 1 6  Grey metal 0 1 6  Strong grey metal, with iron balls 2 1 0  Black stone 0 1 6  Strong blue metal, with ironstone balls 0 2 0  Black stone 0 0 0 6  COAL 0 0 0 6  COAL 0 0 0 5  Seggar, mixed with post 0 0 0 6  COAL 0 0 0 6  COAL 0 0 0 6  COAL 0 0 1 8  Strong white post 0 4 0  Post, with iron balls 2 1 0  Mild white post 2 3 0  Blue metal, with iron balls 2 1 0  Mild white post 0 0 0 6  COAL 0 0 0 5  Grey metal, with post girdles 0 4 0  Black stone 0 0 0 6  COAL 0 0 0 6  Grey metal, with iron girdles 0 4 2 8  White post 0 2 0  Grey metal, with iron girdles 0 2 6  COAL 0 0 0 3  Seggar, mixed with post 0 2 6  COAL 0 0 1 2  Grey metal, with iron girdles 0 1 0  Grey metal, with iron on girdles 0 1 0  Grey metal, with iron on girdles 0 1 1 0  Grey metal, with iron on o	strong thin girdles	2	2	0				Seggar 0 1 6	ð
White post, scared with coal 2 1 0  Grey post, scared with coal 0 2 6  COAL — Low Main  Seam 0 3 0  Seggar 0 1 6 Grey metal 0 2 0  Black stone 0 1 6  Strong grey metal, with iron stone balls 0 2 0  Black stone 0 0 0 6  COAL 0 0 0 6  Strong grey metal, with ironstone balls 0 2 0  Black stone 0 0 0 6  COAL 0 0 1 2  Seggar, mixed with post 0 2 0  Grey metal, with iron girdles 4 2 8  White post 0 2 6  COAL 0 0 3 6  White post, mixed with post 0 1 1 2  Seggar 0 1 2 6  Grey metal, with iron girdles 0 1 2  Seggar 0 1 2 6  Goal pipes 0 1 2  Grey metal, with iron girdles 0 1 6  Grey metal, with iron girdles 0 1 2  Seggar 0 1 2  Grey metal, with iron girdles 0 1 0  Seggar 0 1 1 6  Grey metal, with iron girdles 0 1 1 6  Grey metal, with iron girdles 0 1 1 0  Seggar 0 1 1 6  Grey metal, with iron girdles 0 1 1 0  Seggar 0 1 1 0  Seggar 0 1 1 6  Grey metal, with iron girdles 0 1 1 0  Seggar 0 1 1 6  Grey metal, with iron girdles 0 1 1 0  Seggar 0 1 1 6  Grey metal, with iron girdles 0 1 1 0  Seggar 0 1 1 0	mixed with iron							girdles 2 0 6	
Seggar		8	0	0			۰		5
COAL          0         2         COAL          0         2         COAL          0         6           Seggar          0         1          6         5         5         2         2         1         8         8         8         9         2         2         1         8         8         9         2         2         1         8         8         9         2         2         1         8         9         2         2         1         1         8         9         2         2         1         1         8         9         2         2         1         1         9         1         1         1         1         1         1         1         1         1         1         1         1         1         2         2         2         1         2         2         2         1         2         2         2         3         5         0         3         5         0         0         4         2         8         2         4         2	with coal	2	1	0					
Seggar       0   3   0   0   1   8	coal	0	2	6				COAL 006	
Seggar	C	0	3	0				Same : 0 1 0	1
Mild white post	Same.				13	2	6	Strong white post 0 4 0	
Black stone 0 1 6   Strong grey metal, with post girdles 4 2 6   Strong blue metal, with ironstone balls 0 2 0   Black stone 0 0 0 9   Strong grey metal, with ironstone girdles 1 1 0   Black stone 1 1 0   Black stone 0 0 6   COAL 0 0 0 3   Seggar, mixed with post 0 2 0   Grey metal 0 0 1 2   Seggar 0 1 0   Seggar 0 1 0   Seggar 0 1 0   Seggar 0 1 6   Grey metal, with iron girdles 1 1 9   Seggar 0 1 6   Grey metal, with iron girdles 1 1 9   Seggar 1 1 1 9   Seggar 1 1 1 9   Seggar 1 1 9   Seggar 1 1 1 9	Character 1			_				Mild white post 2 3 0	
Strong blue metal, with ironstone balls 0 2 0   Black stone 0 0 9   Strong grey metal, with ironstone girdles 1 1 0   Black stone 0 0 6   COAL 0 0 6   COAL 0 0 6   COAL 0 0 6   COAL 0 0 3 6   Coal pipes 0 1 0 0 6   Coal pipes 0 1 0 0 6   Coal pipes 0 1 0 0 0 6   Coal pipes 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Black stone							Blue metal 0 0 6	
Strong blue metal, with ironstone balls 0 2 0		4	2	6					7
Black stone 0 0 9 Strong grey metal, with ironstone girdles 3 5 0 Grey metal, with ironstone girdles 3 5 0 Grey metal, with iron girdles 4 2 8 White post 0 0 6 Grey metal with post 0 2 0 Grey metal 0 3 6 White post, mixed with iron sirdles 0 1 2 Grey metal 0 1 2 Grey metal 0 3 10  Seggar 0 1 2 Grey metal, with iron girdles 0 1 6 Grey metal, with iron girdles 1 1 9	Strong blue metal,		2	0					
with ironstone girdles         dles        1       1       0         Black stone        0       0       6         COAL        0       0       6         Seggar, mixed with post        0       0       0       3         Grey metal, with iron girdles        0       0       2       6         Seggar, mixed with post        0       1       2       0       1       2         Grey metal, with iron girdles        0       1       2       0       1       2       0       0       1       0       1       2       0       0       1       0       1       0       0       1       0       0       1       0       0       1       0       0       1       0       0       1       0       0       1       0       0       1       0       0       0       1       0       0       0       1       0       0       0       1       0       0       0       1       0       0       0       1       0       0       0       1       0       0<	Black stone							Black metal, with iron	
Seggar, mixed with post, mixed with iron 0 3 10   Seggar 0 1 1 6   Seggar 0 1 1 9	with ironstone gir-							Grey metal, with iron	
COAL 0 0 6 Seggar, mixed with  post 0 2 0 Grey metal 0 3 6 White post, mixed with iron 0 3 10  Cornicle formula 1 0 3 10  Compared formula 1 0 3 10  Compared formula 1 0 3 10	dles	_							
Seggar, mixed with post 0 2 0   Grey metal 0 3 6   White post, mixed with iron 0 3 10   Grey metal, with iron girdles 1 1 9	COM							COAL 0 0 3	
Dist       0   2   0     Coal pipes       0   1   0   0	2				7	0	3		5
Grey metal 0 3 6 White post, mixed with iron 0 3 10  Corried formula 1 2 2 4 175 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		0	2	0					
with iron 0 3 10 girdles 1 1 9	Grey metal								
Carried forward 1 3 4 152 2 3 Carried forward 1 5 5 185 1 9	with iron	0	3	10				· 11	
	Carried forward	1	3	4	 152	2	3	Carried forward 1 5 5 185 1 5	9

## No. 2,200.—WHEATLEY HILL.—CONTINUED.

Brought forward Post, with blue metal partings Post, with grey metal partings Blue metal and post girdles COAL—Harvey Seam	1 0 0 0	5 5 4	5 0 0 0	Fs. 185			$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Seggar Grey metal, inclined to post Grey post, with iron girdles Post COAL	0 0	1 5 5 2 0	6	4	4	5 8	COAL 1 3
Seggar  Carried forward	`	1		193	2	10	with iron girdles, very hard 0 2 0  Total 198 4 3 <sup>3</sup> ⁄ <sub>4</sub>

<sup>\*</sup> Workable portion of seam.

# No. 2,201.—WHICKHAM.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Strata sunk and bored through at Whichham Colliery.

Outset Fs. Ft. In. Fs. Ft. In	1.	Brought forward	Fs.	Ft.		Fs. 25		In. 3
Freestone post 14 0 0	1	White post	2	0	6			-
Black stone 1 3 6	1	Black stone	0	2	3			
COAL 0 0 3		Ft. In.						
	9	Splint 0 7						
Grey post 5 1 7	-	COAL 0 10						
Beaumont Seam-			0	1	5			
Ft. In.						2	4	2
COAL 2 5	- 1	Grey metal	0	2	3			
Band 0 4		White post	1	2	9			
COAL 0 11		COAL	0	0	3			
0 3 8						1	5	3
5 5	3	White post	2	5	2			
Post, with whin 2 3 0		Blue stone	ō	ō	7			
COAL 0 0 3		Diae stone iii			•			
2 3	3							
	-		_			_		_
Carried forward 25 3	3	Carried forward	<b>2</b>	5	9	30	0	8

# No. 2,201.—WHICKHAM.—Continued.

Brought forward	Fs. 2	Ft.		Fs. 30	Ft.	In. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 4 5 9 41 2 8
COAL Stone Coal	0	2	0				White post 5 1 11 Blue metal 0 4 8
Deane				3	1	9	COAL 0 0 3
Grey metal	0	3	<b>2</b>				11 0 7
White post	5		1				Grey metal 1 1 3
COAL	0	<b>2</b>	3	_	_		White post 4 5 0
	_			6	0	6	Grey metal 0 0 9 COAL 0 0 2
Grey metal	1	$\frac{3}{2}$	8				COAL 0 0 2 6 1 2
COAL	0	Z	1	1	5	9	Grey metal 0 0 6
							Post girdles 0 5 0
Total sunk				41	2	8	Grey metal 0 0 9
Bored further:		•••			_	•	COAL 0 0 8
Grev metal	1	0	0				1 0 11
White post	0		4				Grey metal 1 0 2
Grey metal	0	2	2				White post 1 2 1
White post, with black		_	_				2 2 3
scares	1	0	1				
White post	2	0	8				
Grey metal	0	$^2$	6				
Carried forward	4	5	9	41	2	8	Total <u>62 1 7</u>

# No. 2,202.—WHICKHAM FELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Whichham Fell, near Feathercock.

Brown stony clay		Ft. 4				_	Brought forward	0	3	0	Fs. 22		
				6	4	6	COAL, foul	0	1	0			
Iron post, with white scares	0	1	8								0	4	0
Grey and brown metal							Grey metal	1	2	7			
Grey and brown post,							Grey and white post,			•			
with scares of coal			6				with metal partings			_			
COAL, foul	0	0	4				and water			0			
			_	7	4	9	Grey metal	9	1	6			
Grey post, with dark scary partings Ft. In	7	1	5	·	_		Black metal, with scares of coal Grey metal stone, with		1	4			•
COAL 1 0							post girdles		5	2			
Soft metal 1 6							Whin girdle	0	4	0			
COAL, tender 1 3							COAL		4	ō			
	0	3	9	7	5	2	-			-	19	0	7
Grey metal, with coal Grey metal				·		_	Grey metal stone, with girdles		0	6			
Carried forward	0	3	0	22	2	5	Carried forward	1	0	6	42	1	0

# No. 2,202.—WHICKHAM FELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.				Fs. Ft. In. Fs. Ft. In
Brought forward	1	U	O	42	1	0		Brought forward 2 5 8 55 0 6
Grey post, with metal	0	0	6					White post, with water 0 4 4
partings		ő						Grey metal, very dry $0  ext{ 1 }  ext{ 6}$ $COAL$ — $Jet$ $Coal$ $0  ext{ 1 } 10\frac{1}{3}$
COAL	U	v	_			0		- · 2
				1	1	2		<del></del>
Grey metal, with post							- 1	Grey metal and metal
girdles	2	3	10				- 1	stone 2 2 2
Grey metal, mixed							-	Strong white post 2 4 3
with coal	0	1	0					Ft. In.
COAL, foul	0	0	9					COAL, rather
				2	5	7		foul 0 3
~ 4.1 -:43								COAL, strong
Grey metal, with	-	4	9					and brownish 2 5
whinstone girdles	1	4	3				- 1	0 2 8
Grey metal stone, in-	Λ	4	0					8
clining to post	0	4	U				- 1	5 3
Grey metal, with scares	0	1	0				-	Grey metal 1 3 0
of coal and water	0	0	3				- 1	Black metal stone,
COAL	U	U	9				. 1	with whin girdles 1 4 1
				2	3	6	1	COAL 0 2 9
m 1	٥		^					
Black grey metal								3 3 1
COAL, with water	U	U	10		_			Grev metal stone 0 2 0
			_	0	2	10	1	6.10
Grey metal, with iron-								Grey and white post, with whin girdles 0 4 0
stone girdles	1	1	6					Grey metal 0 1 0
White post, mixed			_					COAL 0 0 2
with whin	0	2	0				1	
Grey and white post		5	11				1	1 1
COAL	0		6					Grey metal 0 1 6
				3	•3	11		GIC, MCCAI
				9	U	1.1	-	Dark grey metal stone, with post girdles 2 2 7
Grey metal	0	3	6					$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL	0	0	5					COAL 0 0 6
				0	2	11		OOAL v
				U	0	11	١ ١	2 5
Grey metal	1	0	9					Grev metal 0 1 6
Ft. In.	_						- 1	Grey metal
COAL, with								Grey white post 2 1 0   White post, with whin 3 3 0
water 0 8								COAL 0 1 5
Grey metal 0 2								6 0 1
COAL, with								0 0 1
water 1 0	_							Grey metal 0 1 0
	0	1	10				İ	Grey metal stone 0 5 0
	_			_1	2	1	7	Grey and white post 2 0 1
							j	COAL 0 0 3
								3 0
Grey metal, with post								5 0
girdle	1	2	10					
							- 1	Gray post 1 4 3
girdle	1							Grey post 1 4 3
girdle Grey and dark post, with dark scares Grey metal stone,	0	4	4				`	In whin 0 2 1
girdle Grey and dark post, with dark scares		4	4				`	Giej pose
girdle Grey and dark post, with dark scares Grey metal stone,	0	4	4				`	In whin 0 2 1
girdle Grey and dark post, with dark scares Grey metal stone,	0	4	6				,	In whin 0 2 1

### No. 2,203.—WHITEFIELD.

#### TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat,

, Long.

Account of Boring in the John Pit, Whitefield Colliery, from the Five-Quarter Coal Seam, Chopwell Lordship.

Approximate surface level

feet above sea (Ordnance datum).

Thill	_	Ft. 1		Fs.	Ft.	In.	Brought forward		Ft.	In. O	Fs. 8	Ft.	
Strong grey metal							Grey post, with coal	^	_				
stone, with mixture whin girdles	2	2	Λ				pipes Blue and black metal			4			
Blue metal stone, with			٠				COAL			3			
whin girdles	1	1	0						_	_	1	2	10
COAL		<b>2</b>	1				Blue and black metal	0	1	2			
				<b>4</b>	0	1	Grey post, with black						
Strong grey and white							scamy partings	1	0	0			
metal stone, with	-		-				Blue metal stone	0	2	0			
strong white girdles	1	3 1	1				Grey post, with black	1	Λ	1			
Whin Grey metal stone, with	U	1	4				scamy partings Blue metal	7	1	5			
whin girdles	2	0	0				Black slate, with a	U	-	2			
Strong white post	ō	4	4				mixture of coal	0	1	1			
Blue metal	0	0	5				COAL, rather coarse						
COAL	0	0	4				at bottom	0	<b>2</b>	8			
			_	4	3	6		-		_	3	2	2
Blue metal	0	3	0				In blue grey metal				0	1	6
Carried forward	0	3	0	8	3	7	Total		•••	_	13	4	1

## No. 2,204.—WHITEFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat.

, Long.

Account of Boring at Whitefield Colliery, near Chopwell Hall, from the Five-Quarter Coal Seam.

Approximate surface level

fect above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Sunk to scaffold 15 0 6	Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In.
	Blue metal stone, with
Soft grey metal 0 0 6	whin girdles 2 0 7
Strong blue grey	Black metal, mixed
metal stone, with	with coal 0 1 6
strong girdles 2 2 10	Grey metal 0 0 6
Black slate, mixed	Grey post, with black
with coal 0 0 4	scamy partings 2 5 8
Grey metal stone, with	COAL 0 0 6
post girdles 0 3 10	5 2
Black slate 0 2 0	
Blue grey metal stone 0 2 6	girdles 0 5 0
COAL 0 2 9	Black slate 0 0 11
19 4 5	COAL 0 2 5
	1 2
Carried forward 19 4 5	Total 26 3
1	

## No. 2,205.—WHITE LEE.

### TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 53″, Long. 1° 45′ 28″.

# Account of Strata bored through in the Little Pit, at Spearman's White Lee Colliery, $8\frac{1}{4}$ fathoms sunk.

Strong grey metal 1 2 8   Grey metal 1 2 8   Grey metal 1 2 0 0   Grey post, with metal partings 2 0 4   White post, with water which water below 1 1 7   Whin, with water below 0 3 1   Grey metal 1 2 8   Grey metal, with post girdles 1 0 0   Dark grey metal 0 2 2   Grey post 0 4 2   Grey post 0 4 2   Grey post 0 3 3 0   Grey post 0 3 3 1   Grey post 0 4 2						
Dark soil and clay	Yellow clay	0 1	2	s. F	t. In.	Brought forward 4 1 10 11 4 7 Grey metal 3 5 10
Sandy gravel	blers					
Strong grey metal 0 2 8   Whin girdle and water 0 0 4   Strong grey metal stone 0 3 8   Grey metal 0 1 10   Whin, with water 0 0 2 4   Grey metal 0 1 10   Grey metal 0 3 6   Grey post, with much water 0 3 0   Grey metal 0 0 0 8   Grey post 0 0 0 7   Grey metal 0 0 1 10   Grey metal 0 0 2 10   Grey metal 0 0 2 10   Grey metal 1 0 10   Grey metal 0 0 2 10   Grey post, with metal partings 2 0 4   White post, with water 1 1 7   Whin, with water 1 1 7   Whin, with water 0 2 10   Grey metal 0 2 2   Grey metal 1 0 0   Dark grey metal 0 2 2   Grey post 0 4 2   Grey pos	Sandy gravel		10			
Whin girdle and water 0 0 4       Whin water 0 0 0 4         Strong grey metal stone 0 3 8       Whin water 0 2 4         COAL 0 1 10       White post, with much water 0 3 6         Grey metal 0 3 6       Strong grey post 0 4 9         Grey post, with much water 0 0 0 8       Strong white post, with water 8 4 7         Grey metal 0 0 0 8       Grey metal 1 0 10         Grey metal 0 1 10       COAL — Brockwell Seam 0 4 0         Grey metal 0 2 10       Strong grey metal 1 2 8         Grey metal 0 2 10       Grey metal 0 4 0         Grey metal 0 2 10       Strong grey metal 1 2 8         Grey metal 0 2 10       Strong grey metal 1 2 8         Grey metal 0 2 10       Grey metal 0 4 0         Grey post, with metal partings 2 0 4       Grey metal 0 2 2         White post, with water below 1 1 7       Thin, with water below 0 3 1				8	1 8	0 4 1
water         0       0       4         Strong       grey       metal         0       1       2       6         Grey         0       1       1       2       6         Grey       metal         0       2       6         Grey       metal         0       2       6         Grey       metal         0       4       9         Grey       metal         0       0       4         Grey       metal         0       0       5         Grey       metal          1       0       10         Grey       metal           0       4       0         Grey       metal		0 2	8			
stone        0       3       8         COAL         0       1       10         Grey metal         0       1       2       6         Grey metal         0       0       5         Grey post, with much water        0       0       5         Grey post, with much water        0       0       5         Grey metal        0       0       7         Grey metal        0       0       7         Grey metal        0       0       4         COAL       —       2       0       5         Grey metal        0       4       0         Grey metal        1       2       8         Grey metal        1       2       8         Grey metal        1       2       8	water		4			Grey metal 0 2 4
Grey metal 0 3 6  Grey post, with much water 0 3 0  Grey metal 0 0 8  Grey post 0 0 0 7  Grey metal 0 1 10  COAL—5/4 Seam 0 2 10  Grey metal 0 2 10  Grey metal 0 2 10  Grey metal 0 2 10  Grey metal 0 2 10  Grey metal 0 2 10  Grey post, with metal partings 2 0 4  White post, with water 1 1 7  Whin, with water below 0 3 1	stone					White post, with much water 0 2 6
Grey post, with much water       with water        8 4 7 Grey metal        1 0 10       Grey metal        1 0 10       COAL — Brockwell       Seam        0 4 0         13 0 4				1	2 6	Grey metal 0 0 5
Grey metal 0 0 8 Grey post 0 0 7 Grey metal 0 1 10 COAL -5/4 Seam 0 2 10 Grey metal 0 2 10 Grey post, with metal partings 2 0 4 White post, with water below 1 1 7 Whin, with water below 0 3 1	Grey post, with much					with water 8 4 7
Grey metal 0 1 10  COAL—5/4 Seam 0 2 10  Grey metal 0 2 10  Grey metal 0 2 10  Grey post, with metal partings 2 0 4  White post, with water 1 1 7  Whin, with water below 0 3 1	Grey metal	0 0	8			COAL — Brockwell
Grey metal 0 2 10 Grey post, with metal partings 2 0 4 White post, with water below 0 3 1	Grey metal	0 1	10			20000 111
Grey metal        0       2       10       0       2       10       0       0       2       2       0       2       2       0       2       2       0       2       2       0       2       2       0       2       2       2       0       4       2	OORL—0 4 Seam			2	0 5	Colone Broj
White post, with water 1 1 7 Whin, with water below 0 3 1		0 2	10			girdles 1 0 0
water 1 1 7 Whin, with water below 0 3 1	partings	2 0	4			Grey Post III
below 0 3 1	water	1 1	7			3 3 0
Carried forward 4 1 10 11 4 7 Total 37 3	1 1	0 3	1			
Carried forward 4 1 10 11 4 7 Total 37 3						
	Carried forward	4 1	10 1	11	4 7	Total <u>37 3 1</u>

## No. 2,206.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 52″, Long. 1° 45′ 30″.

Account of Strata sunk and bored through in the Big Pit, White Lee Colliery, in 1840 and 1841.

•							
	Fs.	. Ft.	In.	Fs	. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0						Brought forward 2 0 4 20 5 7
Yellow clay	0	3	0				Light grey post 0 2 0
Blue clay, with tum-							Dark metal 0 0 5
blers	1	1	0				Light post 0 1 10
Dark soil and clay	ō	5					White post, with balls
Sandy gravel	ŏ		8				
		. 2					
Strong blue clay		3					Dark grey metal 0 5 0
Grey metal	0	3	0				35
Whin girdle, with	_	_					Main Coal Seam—
water	0	0	4				Ft. In.
Strong grey metal							COAL 3 11
stone	0	3	8				Splint 0 3
COAL	0	1	10				0 4 2
				10	^	_	0 4 2
	_			10	0	7	11 2 8
Grey metal	^	4	c				Grey metal stone, with
	0	4	6				1 1 2 2 2 2
Grey post, with much	_	_	_				
water	0	3	0				White post 0 2 0
Grey metal	0	0	8				2 5 3
Grey post	0	0	7				_ ,,
Grey metal	0	<b>2</b>	8				
COAL-5/4 Seam	0	3	1				Total sunk 35 1 6
•				2	2	6	Bored:
			_	Z	Z	О	White post 2 1 0
Strong grey metal	1	5	Λ				Grey post, with water 1 4 0
Very strong grey post,		J	U				Dark metal 1 5 3
							TOT I I I
			_				701
metal partings	<b>2</b>	3	0				COAL
Strong grey metal							COAL and Ft. In.
and water	3	1	0				black stone 1 3
COAL	0	$^{2}$	0				Grey metal 0 6
				7	5	0	COAL, mixed
				•	J	U	with black
Grey metal thill	0	3	0				stone 1 9
COAL		0	6				0 0 0
	U	U	U				— 0 <b>3 6</b>
				0	3	6	7 0 3
0	_	_	_				
Grey metal stone	0	<b>2</b>	0				Grey post 0 4 6
Strong grey post, with							White post 1 0 2
metal partings	1	4	<b>2</b>				1
Dark metal	0	0	2				1 4 8
-							Name of the latest and the latest an
Carried forward	2	0	4 2	20	5	7	Total 44 0 5
						-	TI O

### No. 2,207.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 43″, Long. 1° 46′ 0″.

Strata bored through at White Lee, 200 yards East from Mr. Angus's Farm House, near the Beck.

Approximate surface level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 5 1 3
Yellow clay	U	3	0				Grey metal 0 0 6
Strong blue clay	0	5	0				Grey post, with metal
Gravel, with water	0	4	0				partings 1 0 3
Grey metal	0	5	Ô				Grey metal, with post
Strong grey metal	-	•					girdles 1 0 10
stone	0	2	Ω				COAL 1 0 7
Grey metal, with post	U	o	U				
		0	^				
girdles	Т	z	U				Grey metal 0 0 7
COAL, with a siping							Dark grey metal, with
of water	0	$^{2}$	3				scares of coal 0 1 0
				5	1	3	Grey metal, with water 1 0 0
							In white post 0 3 6
							1 5 1
				_			
Carried fo	rwo	rd		5	1	3	Total 10 2 6
Carried 10	n wa	, a		J		o	10tal 10 Z 6

### No. 2,208.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.  $54^{\circ}$  43' 33'', Long.  $1^{\circ}$  45' 10''.

Account of the Strata sunk in the Bolckov Pit, New White Lee Colliery.

Approximate surface level 595 feet above sea (Ordnance datum).

Yellow clay	Brought forward Fs. Ft. In. Fs. Ft. In. Sunk below the Coal:—
Gravel and sand        0       3       6         Dark blue clay        0       4       0         Blue clay        4       4       2	Fire clay, good 0 1 6 Fire clay, with iron-
Sand 0 4 0  Hard white post, with partings 4 4 4  COAL, good 0 4 6	stone nodules        1       1       6         White post        0       1       6         Grey metal        0       0       2         White post        0       1       0         Grey metal        0       0       1
	Grey post 0 1 8 Grey metal 0 1 5 Blue metal 0 0 5
Carried forward 12 4 10	Total

## No. 2,209.—WHITE MARE POOL.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at the White Mare Pool, for Thomas Wade, Esq., by George Rawling. 1800.

Sunk to scaffold Box	Fs. 1 8	Ft. 2 0	In. 0 0	Fs.	Ft.	In.	Brought forward Grey and black metal					Ft. 2	
Grey and black metal, with girdles	5	3	0				with girdles	0	0	3 7			
White post, with part- ings and water	0	4	6							_	3	1	4
Grey metal, with girdles	3	0	0				Grey metal stone, with girdles	3	0	6			
Blue and black metal	0	1 0	8 6				COAL, mixed with	_	_	_			
COAL, foul	U	U	U	10	_	0	black metal Black grey metal	0	1	6			
~	_	_	_	18	5	8	COAL	ő	ō				
Grey metal	1	3	0					_		1	3	3	7
White post Grey metal, with gir-	0	9	U										
dles	2	4	7				Grey metal and white		^	^			
COAL	0	0	9				Grey metal and metal	6	0	0			
				4	5	4	stone, with girdles	2	3	0			
Blue and grey metal,							White post	5	0	ŏ			
with girdles	2	0	0				Grey metal and post	_					
White post, with part-	-	_	_				girdles	1	2	0			
ings and water COAL, foul	1	<b>2</b> 0	0 4				White post, with part- ings, water, and						
COAL, foul	U	U	4		_		sulphur	7	5	0			
~			_	3	2	4	Grey metal stone and						
Grey metal	0	1	0				post girdle	0	3	0			
Blue grey metal White post, with water	<b>2</b> 0	44	6				Strong white post Grey and blue metal	4	2	0			
Blue grey metal, with	U	T	U				COAL	0	õ	8			
girdles	3	3	0				Black metal, mixed	Ī		_			
White post with	_	_	_				with coal	0	0	4			
water COAL, foul	<b>2</b> 0	_	0 3							_	31	0	0
COAL, foul	U	U	9	0							-	Ŭ	Ĭ
	_			9	3	9	Grey metal	0	1	8			
Grey metal Strong white post,	1	1	0				Grey metal, and metal stone with post						
Strong white post, with water	3	0	0				girdles post	1	4	6		0	
Grey metal stone	ő	_	6				Strong white post	1	3	0			
Blue metal	0	0	6				Whin	0	0	6			
COAL	0	0	10				Strong white post,	-		c			
				4	3	10	mixed with whin Whin	$\frac{1}{0}$	2	6 9			
Grey metal	0	4	6				Strong white post,	U	U	J			
White post, with water	1	0					mixed with whin	4	0	0			
Carried forward	1	4	6	41	2	11	Carried forward	9	0	11	79	1	10
							Carriou 101 Ward		•				

# No. 2,209.—WHITE MARE POOL.—CONTINUED.

Brought forward			In.				Fs. Ft. In. Fs. Ft. In
*** *		3		10		10	Brought forward 4 4 0 99 4 0 White and black
Whin Strong white post,	U	3	U				
	2	Δ	Λ				111 0 2 0
							Grey scamy post 0 4 0
rey and blue metal	T	U	U				Grey metal, with gir-
rey metal stone, with	_	_	_				dles 3 0 0
post girdles	1	0	0				Grey and white post,
CÔAL	0	0	8				with whin 4 3 0
				13	4	7	Blue metal 0 0 8
					-	•	Grey metal and metal
rey and blue metal,			_				stone, with girdles 2 1 0
with post girdle	3	4	6				COAL 0 1 0
rey post	0	2	0				
Whin	0	1	6				15 3
trong white and grey							Grey metal, with gir-
post	0	4	6				11
rey girdly stone and							
metal partings	1	2	0				In grey and white
metal partings	ō	1	1				post 1 0 0
	•	_	_			-	4 2
				6	3	7	
trey metal, with gir-							
dles	4	4	0				
0	_				_	_	W 4 1 110 0 4
Carried forward	4	4	0	99	4	0	Total 119 3 8

## No. 2,210.—WHITLEY.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Orduance Map. Lat.

, Long.

### A Trial Borehole at Whitley, near the Monk House.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay 1 1 0	Brought forward 14 0 11
Sand, with water and	Black stone 0 0 10
tumblers at the	Grey metal, with post
_ bottom 1 0 0	girdles 2 0 10
Blue clay 1 2 2	Blue metal $\dots$ $0$ 2 2
Black stone and coal 0 1 0	Black stone 0 0 8
Grey metal 0 5 5	COAL — Low Main
Post, with metal part-	Seam 0 3 0
ings 8 1 0	17 2 5
Blue metal 1 2 4	1, 2 9
<del></del>	
Carried forward 14 0 11	Total $17 2 5$

### No. 2,211.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Account of the Strata passed through in sinking a Pit adjoining Hartley Boundary, Whitley Links.

Approximate surface level

feet above sea (Ordnance datum).

Clar		Fs. 3	Ft.	In. 3	Fs.	Ft.	In.		Brought forw	hvor	Fs.	Ft.	In.	Fs. 8	Ft.	In
Clay	-	о 1	1	6							0	5	6	0	9	•
Sand and gravel	-		_	-						•••	-					
Grey post		0	4	0					White post	•••	0	3	0			
White post		1	<b>2</b>	0					Grey whin	•••	0	1.				
Blue shale		0	1	6					Grey shale		0	4	0	0		
Ironstone band		0	0	1					White post		0	2	0			
Blue metal		0	<b>2</b>	0					Grey whin		0	1	0			
Ironstone band		0	0	2					Grev shale		1	0	9			
Blue metal		Ō	1	0				-	( Ironstone	•••	0	0	8			
Ironstone band		ŏ	ō	$0^{\frac{1}{4}}$					* Mussel-scalp		ō	ō	8			
Blue shale		ŏ	ĭ	8					Ironstone		ŏ	ŏ	4			
		ŏ	ō	1				- 1	α` 1.1		ŏ	4	0			
D1 1 1		-	-	034				- [		•••			10			
	-	0	1					- 1	White post	•••	0					
Black stone	•	0	0	8				-	Grey whin	•••	0	1	0			
Ft. I									Grey shale	• • •	1	0	6			
COAL 2	5							- [	Black stone		0	1	1			
Band 1	0								Thill stone		0	2	0			
COAL 11	0								COAL, bottom		0	1	8			
	_	0	5	3				- 1						7	2	0
	_		_	_	8	3	0	-						•		Ĭ
					_		_	-						_		
Carried 1	orv	vai	$^{\mathrm{d}}$		8	3	0	- 1	Total					15	5	(

\* 12 inches in 20 took up 16 inches of grey shale, making 3 feet. The mussel-scalp contains a good deal of iron. In a 6 feet place, suppose a man to clear 2 feet in a shift, the produce would be 6 feet  $\times$  2 = 12 cubic feet =  $1\frac{1}{6}$  tons.

#### No. 2,212.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored 130 yards to North-east, 6 feet below High Water Mark, at Whitley Park.

						Fs.	Ft.	In.	Fs.	Ft.	In.	
Blue metal		•••				 0	3	0				
White post					•••	 1	2	0				
Blue metal s	tone	•••		٠		 0	5	0				
Black stone						 0	1	0				
COAL						 0	4	2				
Grey metal						 0	0	9				
COAL						 0	1	0				
Dark thill		•••	•••			 0	Ō	7				
27422 0222	•••				•••	 			3	5	6	
			Total						3	- 5	6	

### No. 2,213.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in Whitley Colliery, S. 30° E. from mouth of Drift, South of Mrs. Wright's House, and 950 links from Drift. First Hole. June 10th, 1804.

Approximate surface level

feet above sea (Ordnance datum).

	Fs.	Ft.	In. Fa	Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay	1	2	0		Brought forward 8 0 6
Brown post	1	3	0		Grey metal stone, with
Grey metal stone, with					post girdles 1 1 6
white girdles	0	3	0		White post 0 3 0
Grev metal stone	1	0	0		Whin 0 1 3
White post	1	0	0		Blue metal stone 0 5 0
Brown post	0	5	0		Black stone 0 1 0
White post	0	3	0		Old waste (supposed
Blue metal, with dark					$Main\ Coal)$ 1 0 0
scames	1	2	6		12 0 3
Carried forward	8	0	6		Total 12 0 3

### No. 2,214.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley Colliery in a Field about 500 yards South-east from Mr. Hudson's House, Second Hole. June 30th, 1804.

(I)	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 10 1 5 12 0 3
Clay	1 1 0	
Brown post		White post 0 4 7
Dark blue metal stone	1 2 0	Blue metal stone 2 0 0
Brown post	0 4 0	COAL 0 0 3
Dark grey metal	0 5 0	13 0 8
Brown post		White post 2 1 0
XX73 **		Blue metal 1 3 10
		77. 1 4
Five-feet Coal Seam-		
COAL, strong Ft. In.		Grey metal stone 0 1 10
and good 2 0		White post 0 5 9
Blue metal		Blue metal 1 2 4
stone 0 10		Black stone 0 1 1
COAL, tender 1 0		Main Coal Seam—
	0 3 10	COAL, chan- Ft. In.
	12 0 3	nel 0 6
Blue metal stone		COAL, strong 4 5
		— 0 4 11
Grey metal		
Grey post	2 1 11	7 3 10
Whin	0 0 4	In dark blue metal 0 0 10
Grey metal stone	1 0 6	
Carried forward	10 1 5 12 0 3	Total 32 5 2
Carried forward	10 1 5 12 0 3	10tal 52 5 2

## No. 2,215.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Sunk East from Whitley Park, near to High Water Mark. September 6th, 1804.

Approximate surface level feet above sea (Ordnance datum).

Clay 1 3 0  White post 0 4 0  Dark grey metal 1 0 0  White post, much mixed with whin 0 4 0  Grey metal stone 0 3 6  White post 0 2 0  Dark grey metal stone 0 4 6	Brought forward 5 3 0 Black stone 0 1 0  COAL 4 2 Grey metal 0 8 COAL 0 11
Dark grey metal stone 0 4 6	Dark metal stone 6 3 9 0 0 11
Carried forward 5 3 0	Total 6 4 8

## No. 2,216.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley, in a Field near the Village, No. 5 upon the Plan.

Approximate surface level feet above sea (Ordnance datum).

	Fs.		In.	Fs.	Ft.	In.			Ft.	In.	Fs.	Ft.	In.
Clay	. 2	3	6				Brought forward	8	0	3	7	2	2
COAL	. 0	1	6				Whin	0	1	8			
	_			2	5	0	White post	2	3	5			
Thill	. 0	3	0				Whin	0	4	8			
Blue metal stone	. 1	1	6				White post, with gul-						
Post	. 1	<b>2</b>	1				lets	3	4	5			
Blue metal stone	. 0	5	10				COAL	_	2	0			
COAL	. 0	2	9								15	4	5
	-			4	3	2	Blue metal	0	1	2			
Thill	. 0	4	10				COAL, brassy and	·	_				
Post	. 1	$^{2}$	4				tender	0	1	4			
Dark metal stone	_	4	5							_	0	2	6
Grey metal stone		4	8				Dark thill	0	5	4	•	_	
Post, with meta		_	_				Blue stone	-		2			
	1	0	5				Scamy post		ī	_			
Post, with cashy part		•	•				Blue stone	^		10			
ings		5	7				Black stone, mixed	U	æ	10			
Blue metal stone	_	ĭ	8				with coal	Λ	1	9			
73 1 1	- 4	ō	4				701	ĭ	0	9			
Post stone		U	- 12				Blue metal	Т	U	9			
Carried forward	8	0	3	7	2	2	Carried forward	7	3	3	23	3	1

### No. 2,216.—WHITLEY.—CONTINUED.

Dark grey thill Scamy post Dark blue metal Black stone, mixed with coal Black stone, mixed with coal Grey thill Grey metal Blue stone Black stone, with mussel-scalp and	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 3 4 3 32 4 1  Dark grey metal 0 0 8  White post, with gullets 1 0 2  Blue metal 1 2 1  Black stone 0 1 0  Ft. In.  COAL, cannel 0 3½  COAL 3 7  — 0 3 10½  — 7 0 0½  Grey metal 0 0 1 0  COAL, bottom 0 0 1 1  In dark grey metal 0 0 1 3
Carried forward	3 4 3 32 4 1	Total $\frac{40 \ 0 \ 3\frac{1}{2}}{}$

# No. 2,217.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored at Whitley, in Mr. Campbell's North Field, adjoining Mr. Hudson's. No. 6 Hole.

OI.		Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Clay	0 5 0		Brought forward 15 3 10
Clay, mixed with sand	0 4 0		White thill 0 0 9
Brown post			Grey post, with water 2 4 0
COAL 2 4			Blue stone with dun
Dark grey metal 1 0			girdles 1 1 4
COAL 1 5			Black stone, with
I 3	0 4 9		mussel-scalp girdle 0 1 4 Grey metal 0 1 3
	0 4 9	5 2 2	are just the
Grey thill	1 2 0	5 2 2	Mild white post, with
			water 1 0 5
Scamy post	6 3 0		Blue metal 0 5 11
Blue metal	0 3 4		Black stone 0 1 5
Black stone, mixed			Ft. In.
with coal			COAL, cannel $0 3\frac{1}{2}$
Dark metal			COAL 3 8
COAL	0 2 0		$ 0 3 11\frac{1}{2}$
		9  2  2	<u> 7 2 4\frac{1}{2} \left\{ \frac{1}{2} \l</u>
Dark grey metal,			Grey metal 0 1 6
mixed with post	0 3 7		COAL, bottom 0 0 9
COAL			Grey thill 0 0 4
			0 2 7
		0 5 6	ÿ <u>-</u> .
Carried for	ward	15 3 10	Total $23 \ 2 \ 9\frac{1}{2}$

### No. 2,218.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley, in North-east corner of Ben. Mitchell's Field, adjoining Huddle-stone, near Tynemouth. No. 7 Hole. October 27th, 1816.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Grey metal	Fs. Ft. In. Fs. Ft, In. 0 5 8 1 0 10	Brought forward 16 1 $8\frac{1}{2}$ 16 5 $2\frac{1}{2}$ COAL 0 0 8
		White post, with whin $$
n	0 0 4	
	0 0 10	girdles 0 5 7 Grey metal stone, with
COAL	5 2 8	
White thill	0 1 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
White post Black stone	• • •	Black stone, with spar
		and ironstone girdles 0 1 8
White post, with whin	_ ^ ^	
girdles	0 0 0	Grey metal stone, with
Blue metal		post girdles 1 5 8
COAL 2 7		Black stone 0 0 10
		COAL, splint,
White thill 2 4		and stone 0 9
COAL $0  1  1$	Ž ~ ~ ~ ~ ~ ~ ~ ~	COAL — Low
	0 5 01	Main Coal
3371 *4 . 41 *11	$\frac{}{}$ 11 2 $\frac{61}{2}$	Seam 3 9
White thill	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<del>5 5</del> 0 4 6
Blue metal	0 3 7	6 0 9
Grey metal	1 4 1	Grey thill 0 0 3
White post, with me-		
tal partings, whin		COAL, bottom 0 0 8 0 0 11
girdles, and water	13 4 4	White thill 0 0 10
		White billi U U IO
0 . 16 . 1	10 1 01 10 7 01	T-4-1 90 4 1
Carried forward	16 1 $8\frac{1}{2}$ 16 5 $2\frac{1}{2}$	Total <u>39 4 1</u>

### No. 2,219.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Whitley, in a Trial Hole, from the Low Main Coal, J Pit, Old Cullercoats Colliery. December 1st, 1818.

Dark coals	thill				In. 1	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.		Ft.	
White post	, with m	etal							Light grey thill	0					
partings White post			4	Э	U				Dark grey metal Light grey metal, with	1	U	U			
clyers									girdles White post, with me-	7	0	0			
OOAL	•••					7	3	5	tal partings, whin clyers, and water	8	4	8			
	Carri	ied f	orw	ard		7	3	5	Carried forward	17	0	2	7	3	5

# No. 2,219.—WHITLEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 17 0 2 7 3 5	Brought forward 7 2 6 37 3 0
Grey metal 0 3 1	Brought forward 7 2 6 37 3 0
Blue metal, with	COAL 1 01
girdles 1 4 4	Dark band 0 812
0 0 0	COAL 0 51
Strong white post 7 0 2	0 02
	$ 0 2 2\frac{1}{2}$
Grey metal 0 5 6	Doub band 7 4 8½
COAL 0.101	Dark band 0 0 7½
	White thilly metal 0 1 102
	COAL 0 0 10
2	0 3 31
0 2 2	Grey thill 0 4 5
29 5 7	White post, with whin
White thill 0 2 5	clyers 2 3 7
Grey metal 0 2 7	Blue metal 0 0 4
White post 2 2 4	COAL, with swad 0 2 21
Grey metal 0 2 6	<b>4</b>
Grey post 2 0 0	White thill
White post 1 1 11	Grey metal stone (fin-
Grey post 0 2 9	
arey post 0 2 3	ished Jan. 9th, 1819) 4 0 4
	4 1 6
Comind formers 7 9 C 97 9 9	
Carried forward 7 2 6 37 3 0	Total 53 5 0½

# No. 2,220.—WHITLEY.

### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Sinking at Whitley A Pit. Begun April 16th, 1817.

Outset				Fs. Ft. In.	Brought forward			In. 6	Fs.	Ft.	In.
Soil and clay	_	4			Blue metal	0	3	0			
Sand, with water and					Black stone	0	0	8			
tumblers at the					COAL - Low Main						
bottom	1	0	0		Seam	0	3	0			
Blue clay	1	5	0					_	20	5	2
Grey metal stone	1	1	8		White thill	0	0	6			
Post, with partings,					Grey metal and post						
whin clyers, and				-	girdles	0	3	6			
water	8	2	6		·Grey metal and post						
Blue metal		1	4		girdles	0	3	0			
Black stone and iron-					White post	0	3	0			
stone	0	1	8		•			_	1	4	0
Grey metal stone, with post girdles and					Left off in whin, June 4th, 1817.						
water	2	0	0								
Carried forward	19	4.	6		Total				22	3	2

## No. 2,221.—WHITLEY.

### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in the Engine Pit, at Whitley Park. The Pit is 10 feet 6 inches in diameter, and was begun October 11th, 1819.

0.1.1	Fs.	Ft.	In.	Fs.			1 2 1/4 1	Fs.	Ft.	In.	Fs.	Ft. In.
Outset	4	1	^	1	4	6	Brought forward				24	1 7
Soil and clay	$\frac{1}{2}$	1 5	0				Scamy white post	U	5	5		
Grey metal Ft. In.	2	Э	0				Dark thill and scares	^	1	9		
COAL, foul 1 2							of coal on the top	0	3	3		
Slaty band $0$ $1\frac{1}{2}$							Grey thill Dark grey metal	$0 \\ 1$	0			
COAL 0 81							Dark grey metal Scamy grey metal	2	4	9		
	0	2	0				Whin and post girdles,	4	4	J		
				4	2	0	with water	1	3	6		
Dark thill, with coal	0	1	0		_				J	U		
Grey metal stone, with							Scamy grey metal, with post girdles	3	4	6		
ironstone girdles	1	1	0				COAL in hade of	J	-	U		1
Grey post, with whin			-					0	0	e		
clyers	1	2	4				dyke	U	U		15	0.11
Grey metal	Ō	ī	0				Whin girdles, with				19	0 11
Post girdles	0	2	Ō									
Grey metal, with scamy	-						metal partings and	1	1			
post girdles	0	3	0				Blue metal, with iron-	1	1	9		
Dark grey metal, with								1	2	0		
metal girdles	0	2	8				stone girdles	1	4	U		
COAL Yard Seam	Ō	2	6				Scaling post, with	1	1	3.		
			_	4	3	6	grey metal partings	$\frac{1}{0}$				
Grey metal	0	3	3	_	_	•	Grey metal stone	0	ŏ			
Scamy post, with							Scamy post girdles Grey metal, with gir-	U	U	9		
water	1	3	6				1 11	-	Ω	4		
Black stone	1	0	6				T1 1 /	1		4		
Grey metal	0	2	Õ				Low Main Coal Seam—	U	Т	U		
Post girdles, with							Ft. 1n.					-200
water	0	5	0				COAL, top 0 4					
Grey metal	Ô	ĭ	6				Black stone 0 2					
White scamy post,							COAL, splint 0 2					
with whin clyers							COAL 3 11					
and water	8	1	3					0	4	7		
Ft. In.										_	6	0 0
COAL 1 11							Grey thill	0	0	5		
Black stone 1 5							COAL, bottom	0	1	1		
COAL 1 3							Black thill stone	0	3	6		
	0	4	7				Scamy grey post	2	0	0		
			_	13	3	7					2	5 0
Grey thill	1	0	0									
Grey metal	0	5	0									
Scamy grey post	2	0	0									
Whin	0	3	0									
~			_			-	=					
Carried forward	4	2	0	24	1	7	Total			_	48	1 6
										-		

# No. 2,222.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Long.

Account of Strata bored through in Whitley Engine Link Pit, from the bottom of the Low Main Coal Seam. 1823.

Grey thill COAL, bottom	0	Ft. In. 0 8 0 10		Ft.		Brought forward 13 3 5 21 1 4 Grey post, with metal partings 1 0 5
Grey thill  Grey post  White post, with whin clyers and metal	0	1 6 3 0				Grey metal 0 3 11  COAL 2 · 0  Dark metal 0 6½
partings	3 0	4 0 8	5	3	2	COAL $0 \ 11$ $0 \ 3 \ 5\frac{1}{2}$ $0 \ 5 \ 2\frac{1}{2}$
Light grey thill Grey metal, with post girdles White post, with water	0 5 3	$\begin{bmatrix} 2 & 0 \\ 4 & 4 \\ 1 & 0 \end{bmatrix}$				Grey thill 0 2 53 Grey metal 0 2 6 White post, with water 1 4 2 Grey metal 0 1 4
Grey post, with metal partings White post, with water Grey metal, with coal	1 4	3 0 2 0				Grey post 0 5 0 White post 0 3 0 Grey metal 0 4 2
coal	0	2 0 0 4	15	2	8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone White post, with water and whin	3	1 4 1 10				$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone, with post girdle  Dark blue metal, with ironstone girdles	1 0	4 9 2 6				Dark grey post
Black stone Grey post, with metal partings	0	0 3 2 1				Grey metal 0 2 0½
White post, with metal partings Light grey metal Strong grey post, with	1 0	1 8 2 6				COAL 0 0 4  Dark grey thill 0 1 1 1 Grey post 1 2 4
partings Grey metal stone, with post girdles	1 2	3 6 4 1				Grey metal 0 1 1 COAL 0 1 9 2 0 3
Strong white post, with whin	0	2 11			_	Left off in white thill 0 1 9
Carried forward	13	3 5	21	1	4	Total <u>49 3 0</u>

#### No. 2,223.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 1, Monkseaton Royalty. Trial Hole in Whitley Park, 10 yards North of the Waggonway, against the West side of the Park. Begun February 6th, and finished February 7th, 1832.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Strong blue gravelly clay	•••		Ft. In.	$\frac{1}{2}$	Ft. 1 2	In. 8 9	Fs.	Ft. In.
COAL Grey thill COAL, mixed with grey metal		•••	0 6 1 5 0 7					
Grey metal					2	6	40	0 11 3 - 7
Total					•••		4	4 6

### No. 2,224.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

No. 2. Trial Hole for the High Main Coal Seam, 45 yards South of the Waggonway, near the Lane, against the West side of Whitley Park, and 270 yards South 33 West from the Engine Pit. Begun February 7th, finished February 16th, 1832.

Sand and gravel . Strong blue clay . Grey metal Post girdles, with	 h  h	1 0 0 1 0 4	1 2 2 4 5	3 0 9 7 8	Fs. Ft. In.	Brought forward  High Main Coal  Seam—  COAL, tender 2 10 Dark band 0 3 COAL 1 11  COAL, ground 1 9 White thill 0 9 COAL, bottom 2 9  COAL, bottom 2 9	
							2
						Left off in dark grey thill 0 0	3
Carried forward		10	3	11		Total 12 2	5

### No. 2,225.—WHITRIDGE.

#### TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

### Bored at Whitridge, near the Bog, near the South-east corner of the Field.

Approximate surface level feet above sea (Ordnance datum).

· ·							
				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I
Soil	U	т	0				Brought forward 2 1 6 12 0 1
Clay, mixed with sand	^	_	_				Grey post 0 1 0
and water	2	0	0				Whin 0 0 11
Stony clay	1	5 2 1	0				Blue metal 1 2 3
White post	0	2	6				Grey metal, with scares
trey metal stone	1	1	0				of coal 0 1 0
Ft. In.							Grey metal 0 1 0
OAL 0 8							Black stone 0 0 6
łrey, brown,							COAL 0 0 6
and blue							4.0
scamy metal 0 3							4 Z
OAL, with							Dark grey metal 0 1 0
some small							Grey metal stone 0 5 0
bands of metal 0 2							Blue grey metal 3 4 0
	0	1	1				Blue grey metal 3 4 0
				5	4	7	COAL, with
oft grey metal, with							brown scames 1 8
scares of coal	0	1	0				COAL, with
rey metal stone	ŏ	5					brass lumps
rey and white post,	·	·	•				or scare bands 0 3
	3	3	0				
	1		ŏ				brown scames 0 7
rey metal	0	0	3				brown scames 0 7
OAL	U	U	9	5	3	8	0 2 6
		- 0	9	o	9	0	5 O
rey metal	Ü	_	_				0 0
OAL	0	U	11	^		0	In grey metal stone 0 0
			_	0	4	8	In grey metal stone
frey metal	<b>2</b>	1	6				
			_				Total 21 4
Carried forward	2	1		12		11	

## No. 2,226.—WHITRIDGE.

#### TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

# Bored in Whitridge Estate about 70 yards South from the Farm House.

feet above sea (Ordnance datum). Approximate surface level

Soil Stony clay COAL		Fs. Ft : 0 1 0 5 0 0	0	Ft.	In. 2	Brought forward Blue metal Brown gullety post, with water	0	4	6	1	Ft. O	In. 2
	Carried fo	rward	1	0	2	Carried forward	1	1	6	1	0	2

## No. 2,226.—WHITRIDGE.—CONTINUED.

Brought forward Blue metal COAL  Blue grey metal COAL	0 1 4	Brought forward 3 2 10 3 4 8 Grey metal 1 3 0 Black stone, mixed with coal 0 4 0 Blue grey metal 3 1 8 Soft blue grey metal 0 0 6 COAL, with scares of brass and brown
Grey metal Grey post, with water Blue grey metal White post, mixed with whin and water Carried forward	0 2 0 1 3 0	Scames 0 1 9 In white grey metal 9 1 9 Total 13 1 0

## No. 2,227.—WHITRIDGE.

#### TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

# Bored about 128 yards down the level from the Old Winning near Whitridge.

				Fs.	Ft.	In.		Fs.	Ft.	In.		Ft.	
Soil	0	1	0				Brought forward				6	1	0
Strong clay	0	3	6				Grey and blue metal	2	0	0			
Blue metal		4					White gullety post,						
White, brown, and	•	_	•				with water	Ο	3	7			
							Blue grow motel	õ	۸	'n			
	-	4	^				Blue grey metal Grey post, with water Blue grey metal	~	v	0			
scamy partings							Grey post, with water	Ň	3	Ů			
Grey metal	1	1	6				Blue grey metal	3	5	U			
COAL	0	0	8				COAL, with water and						
				4	3	2	brown scames, and						
Grey metal, with water	0	2	9				some small scares of						
Black and grey metal,							brass near the bottom	0	3	2			
with scares of coal	0	0	6								9	2	9
Grey metal			6				In blue grey metal				Ō	0	9
			4				In blue gley metal				v	U	
COAL	U	U	4	^	4	-							
***				0	4	1							
Blue grey metal													
COAL	0	1	0										
				0	5	9							
Carried fo	rws	rd		6	1	0	Total				15	4	6
Carried IC	,, ,,	or a		U	-	J	10001		•••		-0	-	

### No. 2,228.—WHITTINGHAM.

### TOWNSHIP OF WHITTINGHAM, NORTHUMBERLAND.

Sheet 30 of Ordnance Map. Lat.

, Long.

# First Place bored at Whittingham, about 70 yards to the North-west from the Old Tower, near the water side.

Soil and Gravel		Ft.	In.	Fs.	Ft.	In.	Brought forward				Fs.		
son and Graver			_	0	1	0	Blue and grey scamy		-	٠	٠	•	
Brown, white, and grey				·	-	·	metal, with whin						
post, with brown							girdles or lumps	3	0	0			
scames	1	3	0				Strong grey girdles,	•	•	•			
Grey, brown, and blue	-	Ü	·				with greenish grey						
rambly metal, with							cashy partings and						
some small scares							water	1	3	0			
of coal, coal pipes,							Blue metal	ō	3				
and water	0	0	6				Grey post girdle, with	·	٠	v			
White and grey post	ŏ	ĭ	6				blue metal partings	1	0	0			
Grey and brown scamy	U	-	U				Soft red, brown, and	-	٠	·			
post, with black							grey metal	0	3	0			
scares or partings,							Strong grey stone,	v	•	·			
with some sparkles							mixed with whin	0	1	6			
	0	3	0				Grey and blue metal,	٠	-	U			
Grey post, with brown	U	o	U				with strong girdles	1	5	0			
scamy partings	1	2	3			-	Strong blue limestone	_	U	U			
Blue and grey metal,		4	J				and whin	0	0	9			
with girdles, cat-							Blue and grey metal,	U	٠	·			
heads, and water	2	0	0				with girdles	1	1	0			
1171 •	õ	1	ő				Whin, with water	ō	ī	ŏ			
0 1	ő	ō	9				Blue metal	ŏ	î	ŏ			
Whin girdles, with	U	U	0				White post, mixed	·	•	Ŭ			
grey metal partings	0	. 2	0				with whin	0	2	0			
	0	2	8				Blue metal, with whin	Ü	-	·			
Mhin A grey metal parting	0	ő	4				girdles	0	2	0			
	ő	2	0				Whin or limestone	ŏ	ī	4			
0 4 1	2	0	ő				A cashy parting	ŏ	ō	3			
Strong grey scamy	4	U	U				In whin or limestone	ŏ	ŏ	4			
girdles, with water	0	3	0				In while of intessore	·	·	-			
Strong blue limestone	U	o	U								22	2	
or whin	0	3	0				İ						
rey girdles, with blue	U	J	U										
metal partings and													
water	1	0	0										
waver	1	U	U										
Carried forward	11	1	0	0	1	0	Total				22	3	- 5
Carried for ward	TT	-	v	U	-	U	Total		•••	_			

### No. 2,229.—WHITTINGTON.

#### TOWNSHIP OF GREAT WHITTINGTON, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Account of boring near Whittington, the property of Sir Edward Blackett.

April 3, 1845.

Approximate surface level feet above sea (Ordnance datum).

Soil		Ft.	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 2 0 0 16 3
	ő		ő	*			Dark brown metal stone 1 4 ° 0
	U	-10	U				Ft. In.
Brown and grey post,	9	0	0				COAL 0 3
with metal partings	-	0					Brass band 0 2
Dark metal	1	z	0				COAL 0 1
Grey post, with a little	_	_	_				Dark metal $0   1\frac{1}{3}$
water	1	1	7				COAL, but will
Dark metal	3	1	5				
water Dark metal Hard blue limestone Metal parting Limestone Dark brown metal	1	3	0				not cinder 1 9
Metal parting	0	1	6				$ 0 2 4\frac{1}{2}$
Limestone	4	3	6				4 0 4
Dark brown metal	0	1	6				Dark brown metal and
Ft. In.							metal stone, with
COAL 0 4							girdle 2 1 0 Strong white post 1 2 0
Black metal 0 4							Strong white post 1 2 0
COAL, slaty 0 10							Whin 0 1 2
,	0	1	6				Grey post 0 4 0
				16	3	0	Black metal 0 0 6
Strong grey post	0	4	0			•	Grey post 0 4 0 Black metal 0 0 6 White post 1 3 0
Dark grey post, with	•	_	•				In strong white lime-
whin girdles and							stone 0 2 11
	1	9	0				6 2
water	1	4	J				0 2
Carried forward	-0	0	_	10		_	Total 26 5 11
Carried forward	4	U	U	16	3	0	10tai 20 5 11

### No. 2,230.—WHITTLE.

TOWNSHIP OF WHITTLE, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat.

, Long.

Bored from the surface in Whittle Low Wood, near Chester Burn.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.				In. Fs	Ft	In.
The box	0	3	0		Brought forward		3	0		
Sand and clay	0	3	0		Grey post, with threads					
Blue stony clay	4	4	0		and water		4	0		
Blue metal	0	5	0		White post, with					
Grey metal	1	2	0		threads and water	2	1	0		
Black metal	0.	1	0		Grey metal, with coal					
Grey metal, mixed with					pipes and water		1	0		
grey girdles	4	3	0							
Carried forward	<b>12</b>	3	0		Carried forward	17	3	0		

# No. 2,230.—WHITTLE.—CONTINUED.

Brought forward White post, with threads and water Grey scamy post, with threads and water Grey metal, with coal pipes and water White post, with threads and water	17 1 1	3 0 3 0	0 0	Fs.	Ft. I	n.	Brought forward 1 5 0 26 0 8 Grey thill 0 1 6 Grey post, with water 2 4 6 White post, with water 2 0 0 COAL 0 2 6 Grey thill 0 1 0 Grey post 2 1 0 Grey metal 1 4 0
Grey scamy post Grey post		3	0				Whin 0 1 0 Grey post 0 2 0
Grey metal	0	0 3	6 2				Grey metal, with water 3 5 0 White post, with girdles 0 2 0
Strong white post Black metal, with coal	1	3	0	26	0	8	Grey metal         0       4       0         Blue metal         1       0       0         COAL         0       4       8
	0	2	0				11 0 8
Carried forward	1	5	0	26	0	8	Total 44 2 10

# No. 2,231.—WHITTLE.

TOWNSHIP OF WHITTLE, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat.

Long.

Bored in the Rye Hill Pit, in Whittle Estate, by Messrs. Wake.

				1
	Fs.	Ft. In. F	s. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 16 0 0 17 5 10
Depth of the pit from the surface to the				Brought forward 16 0 0 17 5 10 Grey metal, with whin
1	7	1 0		girdles 1 3 0
COAL (thickness of)		4 10		White post, with scames 3 2 0
COME (MICKINESS OI)	<u> </u>	<u> </u>	7 5 10	Grey cash partings,
White thill	0	1 6	0 10	with water 0 0 4
	ŏ	1 6		White post 0 3 0
	ŏ	1 6		White post 0 3 0 Grey metal 0 0 8 White post 0 3 0
White post	ñ			White post 0 3 0
Blue metal	ì	5 0 5 6 4 6		Whin stone 0 0 9
	ō	4 6		White post, with coal
	ŏ			pipes and water 0 4 0
	ĭ	2 0		Grey metal, with white
	3	1 6 2 0 5 0 3 0		post girdles 1 0 7
	ŏ	3 0		White post 0 1 0
White post	ŏ	3 0		Grey post 0 1 0
White post, mixed with	•	•		Grey post 0 1 0 COAL 0 3 2
	0	1 6		24 4 6
White and brown post,	•			Grev post 2 1 6
	U	4 0		Grey post 2 1 6 White post, with water 3 5 0
		0 0		Grey metal 0 1 0
White scamy post	2	0 0		COAL 0 4 3
Brown post	0	1 6		6 5 9
White post	1	1 0		0 0 9
-				*
Carried forward 1	6	0 0 17	7 5 10	Tota 49 4 1

## No. 2,232.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM. =

Sheet 27 of Ordnance Map. Lat.  $54^{\circ}$  45' 26'', Long.  $1^{\circ}$  37' 8''.

An Account of Strata sunk through in A Pit, Whitwell Colliery. Sinking begun 2nd May, 1836; got the Hutton Seam 21st June, 1837.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset				<b>2</b>	5	0	Brought forward 12 4 6 28 0 7
Soil	0	<b>2</b>	0				Grey metal 0 0 10
Loamy clay	1	4	0				Low Main Seam-
Blue clay	1	4	5				Ft. In.
Sand, with water (9 ft.							COAL, good 2 71
on south-east side of							COAL, splinty 0 41
pit; run out to no-			•				—— 0 3 0
thing on north-west							13 2 4
side)	0	4	6				Grey metal and post
Strong blue clay	1	3	0				girdles 0 3 10
Brown and blue leafy							1 1 1 9
clay	7	0	0				White post
Strong blue clay	4	0	0				,
Strong blue clay, with							Grey metal stone 3 0 2
small stones	1	1	0				COAL, foul 0 0 4
			_	18	0	11	6 0 10
Grey metal, very soft							Grey metal 0 1 0
and jointy	1	1	0				White post, mixed with
Grey metal stone	0	3	3				metal 1 2 3
Post girdle	0	0	10				Dark metal 0 1 7
Dark blue metal, with							Brass Thill Seam-
post girdles (wedge							
curb laid 1 ft. 3 in.							COAL 0 9
into this stone, and							Grey metal 2 9
walled off)	1	<b>2</b>	8				COAL 0 5
Black stone	0	0	6				0 3 11
COAL	0	0	9				2 2 9
				3	3	0	
Grey thill	0	3	6				Thill 0 1 4
Grey metal	<b>2</b>	3	6				Grey metal, with post
Dark metal, scared							girdles 1 1 0
with post	0	<b>2</b>	0				White post 2 1 6
COAL	0	0	8				Grey metal, with post girdles 4 0 2
				3	3	8	9
Thill	0	4	4				Hutton Seam- Ft. In.
Dark metal	0	1	4				COAL, good $4$ $4\frac{1}{2}$
Post girdle	0	0	10				Band $0   0\frac{1}{2}$
Grey metal (standing							COAL, bottom 1 9
set bunton)	0	2	0				1 0 2
Strong white post, very							8 4 2
jointy (water, 270							Grey metal 2 0 0
galls. per minute)	11	<b>2</b>	0				
Carried forward	12	4	6	28	0	7	Tota 60 4 8

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,233.—WHITWELL.

#### TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

# Account of a boring below Hutton Seam at Whitwell Colliery, at a point 4 chains Eastward of the A Pit (bottom of Staple). March, 1851.

Stone girdles														
Brought forward   9   3   3   28   2   5		Fs.	Ft.	In.	Fs.	Ft. I	[n.	~~	Fs.	Ft.	In.	Fs.	Ft.	In.
White post, with water   No. 2   6	Grey metal, with iron-													
White girdles, with water and gas 0 1 5 hrey metal 2 2 6 White post girdles 0 1 0 White post girdles 0 0 4 5 hrey metal, with thin partings 3 1 10 hrey post girdles 0 0 4 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 1 2 5 hrey metal 0 2 1 hrey metal 0 2 1 hrey metal 0 1 2 hrey post girdles 0 4 2 hrey hrey hrey hrey hrey hrey hrey hrey	stone girdles	6	2	0				Grey metal stone, ap-						
White post girdles with water and gas 0 1 5 5 7 1 0 0 4 1 0 0 4 1 0 0 4 1 0 0 4 1 0 0 4 5 0 0 1 0 0 4 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0	White post, with water	0	2	6			1	proaching to post	0	4	1			
water and gas														
Grey metal       2   2   6   White post girdles     0   4   4   3   4   5   5		0	1	5					1	3	6			
White post girdles														
Strong with thin pirdles		_					1		U	32	o			
White post, with thin partings							1				- 1			
Partings       0   4   5		U	U	4				strong	U	I	74			
Partings		_		_								12	4	81
girdles 3 1 10  They post girdles 0 0 9 9  They metal 1 2 5 5  COAL, foul, with gas 0 0 4  Soft thill 0 2 1  White post 0 4 2  Strong grey metal, with post girdles 0 1 9  Strong white post girdles 0 1 9  Strong grey metal 1 0 3  COAL 0 1 2  Strong grey metal 0 1 2  A 5 9  Soft grey metal 0 1 2  Light grey metal 0 0 0 6  Strong white post 1 1 0  Strong grey metal stone, with thin post girdles 2 4 8  Strong white post 1 1 0  Strong white post 1 1 0  Strong white post 1 1 0  Strong grey metal stone, with thin girdles 2 4 8  Strong white post 0 4 0  COAL 0 0 6  Grey metal stone, with thin girdles 2 0 0  Strong white post 0 1 0  Grey metal stone 0 0 0 3  Grey metal stone 0 0 0 3  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 5  Dark grey parting 0 0 2 7½  Strong gritty brown  Dark grey parting 0 0 1 0  Grey metal 0 1 0  White post girdle 0 1 0  Grey metal 0 1 0  Grey metal 0 0 1 0  Dark metal 0 0 0 3  Grey metal stone 0 0 0 10  Dark blue metal 0 0 0 6  Dark brown metal 0 0 0 6  Dark brown metal 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal 0 0 0 4  Grey metal 0 0 0 4  Grey metal 0 0 0 4  Grey metal 0 0 0 4  Grey metal 0 0 0 6  Dark brown metal 0 0 0 4  Grey metal 0 0 0 6  Dark brown metal 0 0 0 6  Dark brown metal 0 0 0 4  Grey metal 0 0 0 6  Dark brown metal 0 0 0 4  Grey metal 0 0 0 6  Dark brown metal 0 0 0 4  Grey metal stone 0 0 0 4  Grey metal stone 0 0 0 4  G	partings	0	4	5								_	-	4
gradles 3 1 10  They post girdles 0 0 9 9 They metal 1 2 5  COAL, foul, with gas 0 0 4	Grey metal, with thin							Very light grey metal.						
The post girdles	girdles	3	1	10										
Strong white post		0	0	9				7 4	0	2	71			
Strong grey metal   0			2	5										
Dost   Dost			-						U	1	U			
Dark grey parting   0 0 0 3   White post   0 0 1 0   Grey post, mixed with metal   0 0 0 3   Grey post, mixed with metal   0 0 0 3   Grey post, mixed with metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 3   Grey metal   0 0 0 5   Grey metal   0 0 0 7   Grey metal   0 0 0 7   Grey metal   0 0 0 6   Grey met	JOHE, Iour, with gas	•	•				_		^	- 4	_			
White post     0   4   2   2   3   4   2   5   5   5   5   5   5   5   5   5					15	1	6							
White post          0         4         2           Strong grey metal, with post girdles         2         2         4         4         5         9         Grey post, mixed with metal         0         1         0         1         0         1         0         1         0         1         0         1         0         2         3         Grey metal         0         0         3         Whin         0         0         3         Whin         0         0         3         Bluish grey metal stone         0         0         5         5         Brown metal         0         0         7         COAL, coarse, slaty         0         0         7         COAL, coarse, slaty         0         0         1         2         0         0         1         2         0         0         1         2         0         0 <t< td=""><td></td><td></td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			_	_										
Mith post girdles   2 2 4   White post girdles   0 1 9   Strong white post girdles   0 1 0   1 0   White post   0 0 3   Grey metal   0 0 0 3   Grey post   0 1 8   Grey metal   0 0 0 3   Whin   0 0 0 0 3   Whin   0 0 0 0 7   White post   0 0 0 0 7   White post   0 0 0 0 3   Whin   0 0 0 0 3   Whin   0 0 0 0 7   White post   0 0 0 0 7   White post   0 0 0 0 7   White post   0 0 0 0 3   Whin   0 0 0 0 7   White post   0 0 0 0 3   Whin   0 0 0 0 7   White post   0 0 0 0 7   White post   0 0 0 3   White post   0									0	1	0			
with post girdles         2         2         4           Strong white post girdles         0         1         9           Strong grey metal         1         0         3           GOAL          0         1         2	White post	0	4	2				Grey post, mixed with						
White post girdles   2   2   4	Strong grey metal,							metal	0	1	0			
Grey metal		2	2	4				White post	0	2	3			
Grey post								( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	0	0				
Grey metal   1   0   3   3   3   3   3   3   3   3   3		Ω	1	9										
Whin   0 0 0 3								C 1						
Soft grey metal														
Brown metal	COAL	U	1	_					_					
Black partings, with strong blower of gas   0					4	5	9	ln '' ''		-				
Black partings, with strong blower of gas 0 1 6 Light grey metal 0 2 6 Strong white post 1 1 0 Strong grey metal stone, with thin post girdles 2 4 8 Strong white post 0 4 0 Grey metal stone, with thin girdles 2 0 0 Strong white post, with balls of whin 6 4 0 Grey metal stone 0 5 0 Black stone 0 0 5 0 Black stone 0 0 0 3 0 0 10														
Black partings, with strong blower of gas	Soft grey metal	<b>2</b>	5	0										
Strong blower of gas   0   1   6   6     Light grey metal     0   2   6     Strong white post     1   1   0     Strong grey metal   stone, with thin post girdles     2   4   8     Strong white post     0   0   6     COAL       0   0   6								COAL, coarse, slaty	0	0	10			
Light grey metal        0       2       6         Strong white post        1       1       0         Strong grey metal stone, with thin post girdles        2       4       8         Strong white post        0       4       0         COAL        0       0       6         Grey metal stone        0       0       1         Grey metal stone, with thin girdles       2       0       0       2         Strong white post, with balls of whin       6       4       0       0       6         Grey metal stone        0       0       6         Black stone        0       5       0         Black stone        0       0       3         Grey metal stone        0       0       6         Ironstone girdle        0       0       6         Dark brown metal        0       1       2         Dark reddish brown       metal        0       2       3         Post, with grey metal        0       1       5 <td></td> <td>0</td> <td>1</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>a</td> <td>2</td> <td>111</td>		0	1	6								a	2	111
Strong white post         1         1         0           Strong grey metal stone, with thin post girdles         0         0         6           Strong white post         0         4         0												ð	o	112
Strong grey metal stone, with thin post girdles         2 4 8								Grey metal stone	1	2	0			
Grey metal stone, with thin post girdles 2 4 8   Strong white post 0 4 0   Grey metal stone 0 0 0 6   Strong white post, with thin girdles 2 0 0   Strong white post, with balls of whin 6 4 0   Grey metal stone 0 0 5 0   Black stone 0 0 0 3   Strong white post, with balls of whin 6 4 0   Grey metal stone 0 0 0 4   Grey metal stone 0 0 0 5   Grey metal stone 0 0 0 4   Grey metal stone 0 0 0 4   Grey metal stone 0 0 0 5   Grey metal stone 0 0 0 5   Grey metal stone 0 0 0 4   Grey metal 0 0 0 4   Grey metal 0 0 0 5   Grey metal 0 0 0 6   Grey metal 0 0 0			-	U				Dark metal	0	0	6			
stone, with thin post girdles         2 4 8           Strong white post         0 4 0           COAL         0 0 6           8 1 2           Grey metal stone, with thin girdles         2 0 0           Strong white post, with balls of whin         6 4 0           Grey metal stone         0 0 6           Long thin metal         0 0 6           Dark blue metal         0 0 6           Lronstone girdle         0 0 6           Dark brown metal         0 1 2           Dark brown metal         0 1 2           Dark brown metal         0 0 4           Grey metal         0 0 4           Grey metal stone         0 2 3           Post, with grey metal         0 0 1           Stone         0 1 5									0	3	0			•
Strong white post		_		_							_			
Post girdles   0 0 0 6		2								_				
Grey metal stone, with thin girdles 2 0 0 Strong white post, with balls of whin 6 4 0 Grey metal stone 0 0 5 0 Black stone 0 0 0 3 Strong white post, with balls of whin 6 4 0 Grey metal stone 0 0 0 3 Strong white post, with balls of whin 6 4 0 Strong white post, with balls of whin 6 4 0 Strong white post, with balls of whin 6 4 0 Strong white post, with balls of whin 6 4 0 Strong white post, with grey metal stone 0 0 1 5 Strong white post, with grey metal stone 0 0 1 5	Strong white post	0	4						- 3	- 1				
S   1   2     Dark blue metal     0   0   6	COAL	0	0	6	;									
Grey metal stone, with thin girdles					٥	1	9			_				
Dark brown metal 0 1 2					. 0	1	2							
thin girdles 2 0 0 Strong white post, with balls of whin 6 4 0 Grey metal stone 0 0 5 0 Black stone 0 0 3 Black stone 0 0 3	Cross model stone:41							Ironstone girdle	0					
Strong white post, with balls of whin 6 4 0           Grey metal stone 0 5 0         Grey metal 0 2 3           Black stone 0 0 3         Post, with grey metal stone 0 1 5			_					Dark brown metal	0	1	2			
metal     0   0   4		_	0	(	,									
balls of whin 6 4 0 Grey metal stone 0 5 0 Black stone 0 0 3 Black stone 0 0 1 5					1			I		0	4			
Grey metal stone 0 5 0  Black stone 0 0 3  Post, with grey metal stone 0 1 5	balls of whin	-6	4	. (	)			1	_					
Black stone 0 0 3 stone 0 1 5		_	5	(	)						, 5			
stone 0 1 5		^			3						E.			
Carried forward 9 3 3 28 2 5 Carried forward 3 2 5 50 5 03		Ů						stone	U	, ,	. ә			
	Carried forward	9	9	3 ;	3 28	2	5	Carried forward	3	3 2	5	50	) 5	$0\frac{3}{4}$

## No. 2,233.—WHITWELL.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft.	
Brought forward	3	$^{2}$	5	50	ð	U#		$0\frac{3}{4}$
Grey metal stone, with							Metal stone 0 1 2	
post girdles			0				Whin 0 0 6	
White post girdle	0	0	4				White post 0 0 5	
Grey metal stone	0	1	4 5				Grey metal stone 1 4 2	
White post girdle	0	0	3				White post 0 1 10	
Grev metal stone	0	0	9				Soft parting, with	
White post "	0	0	10					
Grey metal stone	0	1	3				sulphur 0 0 7 Grey metal stone 2 2 5	
White post	0	0	8				Post 1 0 0	
Grev metal parting	0	0	3				Whin 0 1 6	
Strong white post	0	5.	0				White post 1 5 8	
Strong white post		1	2				Whin into 0 1 0	
Grey metal, and metal								0
stone	1	4	2				20 0	8
Whin girdle								
Dark metal	Ō	0	9					
Carried forward	<b>1</b> 1	5	5	<b>5</b> 0	5	$0\frac{3}{4}$	Total depth below Hutton Seam 70 5	83

### No. 2,234.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Boring at Whitwell Colliery below the Hutton Seam, made close to a deeper hole 70 fathoms 5 feet 8\frac{3}{4} inches at the bottom of a staple 4 chains Eastward of A Pit, by G. Stott. September and October, 1866.

Grey metal			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 8 15 2 1
Post	_		3				Grey metal 0 5 1
Grey metal, with post			_				COAL 0 1 5
	0		6				4 5 2
Grey post	1	1	9				Metal 2 5 6
Grey metal	3						Grey metal, with black
Blue metal	1	3	9				girdles 0 2 11
COAL	0	0	4				Post 1 1 8
				15	2	1	Grey metal 1 2 0
Grey metal	0	3	0				Grey post 1 4 3
White post	0	3	0				Grey metal 0 0 8
Grey metal, with post							Black metal and coal 0 0 6
girdles	2	1	2				Into grey post 1 5 3
White post	0	3	6				9 4 9
Carried forward	3	4	8	15	2	1	Total <u>30 0 0</u>

### No. 2,235,—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

# Borehole below Hutton Seam at Whitwell Colliery, South of A Pit and in Wagonway.

Approximate surface level

feet above sea (Ordnance datum).

G 4.3				Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	 In,
Grey metal	4	0	0				Brough	t for	ward				15	0	7
Post	<b>2</b>	3	0				Seggar			0	1				•
Grey metal	0	1	0				Grey metal			•	_	•			
Post	0		0				7 33			2	Q	5			
Grey metal and post		_	·				D ~	• • •		1	7	5			
			_						• • •	T	1	7			
girdles	Ţ	Z	0				Grey metal	and	post						
Post	0	2	6				girdles			0	4	5			
Grey metal	0	1	6				Black metal			0	0	$2\frac{1}{2}$			
Grey metal and post							COAL			ŏ	ĭ				
girdles	^	5	3				00/12	•••		•	-	<b>T</b> 2	5	Λ	_
D	_						g						-	0	5
Post			10				Seggar	• • •	• • •				0	5	5
Metal and post girdles		3													
Blue metal	0	1	9												
COAL	0	0	2												
	_		_	15	0	7									
						_									
Carried for	war	d		15	0	7		Tota	1				21	0	

Hole stopped 19th October, 1867.

### No. 2,236.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 4″, Long. 1° 30′ 51″.

Strata sunk through in the Whitwell B Pit. 1838.

Blue clay 5 1 Sand 3 5 Sand and water 1 3 Clay 3 2	0 0 0	Brought forward Thill Blue metal stone Dark grey metal		0 <b>5</b>	Fs. 21		In. 10
Sand and water 1 1 Clay 1 2	0	COAL, good — Main Coal Seam	0 3	11			
Sand and water 0 5 Clay 0 1		Thill stone			2	4	5
Blue metal stone 1 0 Grey metal stone 2 3	0	Grey metal stone COAL	0 0			_	
COAL, with a band 0 1		Thill stone Grey metal stone		7	9	5	0
Carried forward	21 2 10	Carried forward	1 5	_	34	0	

### No. 2,236.—WHITWELL.—CONTINUED.

Brought forward		Ft. 5		Fs. 34	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 6 3 2 47 5 2
Dark grey stone	ō	Õ	5		_		COAL 0 0 9
Grey metal stone	Ō	Ō	5				6 3 11
Dark grey stone, mixed							Thill stone 0 0 9
with brass bands	0	0	5				Grey metal stone 1 3 6
COAL	0	0	4				Ft. In.
				2	1	2	COAL 0 9
Thill stone	0	0	11				Dark grey stone 2 10
Grey leafy post	0	2	8				COAL 0 3
Post girdle	0	0	4				0 3 10
Grey leafy post	0	1	8				2 2 1
Post girdle	0	1	4				( 1 1 10
Dark grey stone	1	0	1				Grey girdle $\left\{\begin{array}{ccc} 1 & 1 & 1 \\ \hline 0 & 1 & 4 \end{array}\right\}$
Grey post	1	5 2	1				
White post girdle	0	2	6				White post 0 5 4 Red post 0 2 3
Brown post	6	0	0				
Grey post girdle	0	2	4				Blue metal stone 0 2 5 Blue metal stone 0 3 4
Brown post	0	2	0				Grey metal stone 2 5 3
COAL - Low Main							Grey metal stone 2 5 3  Hutton Seam— Ft. In.
Seam	0	2	10				
				11	3	9	Stone $1  ext{ } 1  ext{ } 1  ext{ } \frac{1}{2}$
Thill stone	0	1	6				
Blue metal stone	0	1	0				
Grey metal stone	1	4	7				<b>2</b>
Strong grey post	ī	5	10				Thill stone $0  binom{7}{5}  binom{4}{2}  binom{2}{2}$
Grey metal stone	2	2	3				Inn stone U 5 Z
		-	_				(Data)
Carried forward	6	3	2	47	5	2	Total $65 2 6\frac{1}{2}$
Carried for ward	J	9		T/	0	_	

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,237.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Borehole by George Stott, on Whitwell Royalty, about 20 yards West of the East hedge of the Field behind Whitwell House and close to the South hedge.

CI.							n. Fs. Ft. In.
Clay						1 3	0
Sand and wat	er					3 0	-
Clay and bars				•••		8 5 1	0
Sand, with w	ater					0 1	
						0 2	)
Grey metal						0 2	8
							- 14 2 8
	$\mathbf{Tot}$	а	• • •	•••	•••	•••	14 2 8

#### No. 2,238.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

Borehole by W. Weatherburn, on Whitwell Royalty, 3 chains East of the East corner of the Arch into Mr. Lowes' Field Yard at Whitwell West House.

13th May, 1855.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Clay 0 1 6	Brought forward 13 0 10  Loamy clay, with
Dry sand 1 0 0 Loamy clay 0 0 8	scares of coal 0 1 2
Sand, with water 0 1 2 Loamy clay 0 4 7	Stony clay 0 2 2 COAL, foul 0 0 7
Sand, with clay partings, with water 0 2 11	0 2 9
Loamy clay 2 2 5	Light grey metal 0 2 2 Dark grey metal 0 1 3
Strong blue clay 2 3 5 Strong loamy clay 4 1 5	COAL, foul 0 0 6 0 3 11
Strong stony clay 0 2 9	Light grey metal 2 5 1
Carried forward 13 0 10	Total 17 1 9

### No. 2,239.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 11″, Long. 1° 31′ 3″.

Strata sunk through at Whitwell C Pit. Begun 12th November, 1855; reached Main Coal Seam 26th December, 1855; reached Low Main Seam 24th March, 1856.

Soil Soft yellow clay Dry sand Strong blue clay	0 0 0 1	1 4 0 0	0 6 6 0	Ft. In.	Brought forward 5 2 8 Strong brown clay, with sandy partings 6 4 6 Soft grey metal, with
Dry sand Sand, with water (10 galls. per minute)	~				ironstone girdles and coal pipes 4 1 2
Carried forward	5	2	8		Carried forward 16 2 4

# No. 2,239.—WHITWELL.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 16 2 4	Fs. Ft. In. Fs. Ft. In. Brought forward 11 0 1 31 0 5½
Five-Quarter Seam-		Low Main Seam—
COAL 0 11  Blue metal band 0 2  COAL 0 7	0 1 8	COAL 2 2  Dark metal band 0 4½  COAL, bot-tom 0 3½  0 2 10
Black metal, mixed with coal bands Soft grey metal thill, with ironstone balls Soft blue metal Soft black metal	0 0 9 0 3 3 1 1 0½ 0 0 11	Soft grey post thill stone 0 5 7 Strong white post, with metal partings 3 2 2 Soft grey metal stone 0 2 6
Seam	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4 4 3
Soft grey metal thill Stronggrey metal, with ironstone balls Sort blue metal COAL	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Depth of sinking
Strong grey metal COAL	0 1 0 1 4 1 0 1 0 3 1 4 0 0 5 6 3 10	Strong grey post thill stone 0 1 5  Strong grey metal stone 0 3 0  Strong white post
Soft grey metal thill stone Strong grey metal stone Soft black stone COAL	0 1 6 2 1 4 0 1 0 0 0 6	Stone
Soft grey metal thill stone Strong grey post stone Strong white post, with black metal partings	0 1 11 3 0 9 7 3 5	917
Carried forward	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Total <u>59 4 3½</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 2,240.—WHITWELL.

#### TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in Whitwell Grange Estate, about the middle of the Long Field. Begun January 27th, finished April 22nd, 1836.

Soil		Ft.		Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In 44 3 6
Brown and blue leafy	Ů	•					Grey metal 0 1 2 White post, with metal
clay, scared with sand and a siping of							partings 1 2 8
water Sand, with a siping of	2	2	0				Dark metal 0 1 7   COAL 0 0 8
water Blue leafy clay, scared	0	0	6				2 0 1
with sand	11	1	3				Grey metal 0 2 10
Brown leafy clay	4	2	0	18	1	0	COAL 0 0 4
Grey metal, with post girdles	3	2	0				
Dark metal, mixed		_					Grey metal, with post
with coal Grey metal	0	$rac{1}{2}$	6 0				girdles 1 0 5 White post 2 1 9
Grey metal stone Black metal	3	1	6				Dark grey metal, with
Grey metal	0	3	3				post girdles 4 0 5  Hutton Seam— Ft In.
White and brown post Whin	$\frac{1}{0}$	1 1	3 0				COAL, good $4   3\frac{1}{2}$
Strong white post, with whin girdles							COAL, foul 0 1½ Hard knot or
and water		2	6				band 0 1 COAL, coarse 1 7
Grey metal stone COAL	_	$\frac{1}{2}$	0 8				1 0 1
Brass, mixed with	_			20	1	8	8 4 2
metal	0	0	5				Grey metal stone 0 1 7
Grey metal, mixed with post girdles	0	3	10				
White post, with soft partings and water	2	2	2				
Grey metal stone	3	0	1				
COAL, foul	_			6	0	10	
Carried for	rwai	rd		44	3	6	Total <u>56 0 6</u>

#### No. 2,241.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long. =

Account of the Boring in a Coal-pit near Whitworth. Copy of Mr. Maddison's Account, January 13th, 1829.

feet above sea (Ordnance datum). Approximate surface level Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. 5 3 11 26 1 10 Brought forward Sunk about ... 13 0 0 Grey metal stone ... 1 0 9 Small coals and rub-COAL, foul... 0 bish Grey metal stone, with 1 0 11 3 1 4 Grey metal and metal post girdles stone, with girdles COAL 0 0 4 1 0 trong white post, mixed with whin 3 4 0 Strong Black metal ... 0 0 8 Grey metal stone, with girdles 0 6 post girdles Grey metal stone, dark White and grey post 0 1 3 10 near the bottom ... 5 4 Whin (got 18th Jan., COAL 0 1 7 through 20th, five 8 3 9 shifts) 1 Grey metal ... 0 0 0 Strong white post Grey metal stone, with 1 ... 6 girdles 3 Grey metal stone 1 Black metal stone, with Strong white post, with . 0 2 5 scares of coal feeder of water ... 1 3 10 Strong white mixed with post, Strong white post, with whin  $\mathbf{2}$ whin girdles 1 and whin girdles (got 25th Feb., through Grey metal stone, with girdles 5th March) 0 5 8 COAL, foul... 0 0 3 Strong white post 6 42 Carried forward 5 3 11 26 1 10 Total sunk and bored ...

#### No. 2,242.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of the Strata bored through at Whitworth Park, about 600 yards East of the Deep Hole.

Fs. Ft. In. Fs. Ft. In		. Ft. I	n. Fs. Ft. In.
Brown clay 2 3 0	Brought forward		7 4 7
Black stone and coal 0 1 8	Blue metal 0	4. (	6
Grey metal, with post	Grey metal, with post		
girdles 3 4 1	girdles 1	3	8
Brown post 1 0 0	Grey post 0	1 3	3
Black stone 0 1 0	Strong grey metal,		
COAL 0 0 10	with post girdles 2	1 :	2
7 4	COAL 0	2	1
			- 5 0 8
Carried forward 7 4	Total		12  5  3
	•		

## No. 2,243.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

# Borings in Martin Charlton's Pit, Whitworth Estate, February 1st, 1837.

		Ft. In	. <b>F</b> s.	Ft.	ln.	Fs. Ft. In. Fs. Ft. In.
Surface		5 0				Brought forward 1 0 8 36 2 5
Brown freestone	1	3 10				COAL 0 0 8
Dark grey metal, with						1 1 4
water	0	3 6				Grey metal 2 0 7
COAL	0	0 9				Grey post 1 0 7
			3	1	1	Grey metal 0 0 10
Grey metal	0	5 10				White post, with water 2 5 3
Black stone	1	1 0				Black metal 0 0 10
Grey metal, with post						COAL 0 1 7
girdles	2	4 2				6 3 8
Soft dark grey metal	ō	3 2				Grey metal 0 3 8
Grey metal	ŏ	0 10				White post, with water 0 5 2
ACAI	ŏ	0 6				
COAL	U	0 0		9	c	Grey metal, with scares
Diversions and soul	$\overline{}$	4 0	5	3	6	of coal 0 3 6
Black stone and coal	0	4 0				Grey metal 3 0 8
Grey metal, with thin	_					Blue metal 0 1 3
post girdles		5 5				Grey metal 2 5 10
COAL	0	<b>2</b> 10	)			COAL 0 1 7
			4	0	3	8 3 8
						White post, with water 14 3 2
Total sunk			12	4	10	Black stone 0 0 6
Grey metal	3	1 7				COAL 0 1 8
Black metal	0	0 9	)			
Grey metal, with post						Grey metal 1 0 0
girdles	3	2 9	)			Blue metal, with post
COAL	Õ	0 3				girdles 2 2 8
			_	5	4	With most
Grey metal	0	0 6	_	o	*	W/L: 0 0 10
Grey post, with water						7171 14
	3	4 8	,			White post 0 3 5
Grey metal, with post			,			Grey whin 0 1 4
girdles	3	2 5				White post, with metal
Grey post	0	2 3				partings 2 4 6
Grey metal	0	0 10	)			Blue metal 0 1 10
Grey post (set away						COAL 0 3 10
the water at 15						10 0 7
fathoms)	0	5 6	3			Grey metal 0 1 0
Grey metal	0	5 1				Grey post 0 5 0
Black stone	0	0 6	3			Blue metal 1 1 0
Blue metal	2	2 7				Grey post, with whin 1 0 10
Black stone, with						Grey post, with metal
scares of coal	0	2 (	)			partings 0 4 0
Blue metal	ŏ	2 8				Grey whin 0 2 10
Character 1	1	1 11				0 1 0
	1					D1 0 1 0
Grey motel with next		0 (	,			
Grey metal, with post		۲.	•			Strong grey metal,
girdles Blue metal	0		3			with post girdles 1 2 0
Blue metal	0		3			Soft grey metal 1 2 0
COAL, foul	0	3 4				Grey metal, with post
_			- 16	4	3	girdles 0 3 2
Grey metal	0	5 7	7			Strong grey post 0 0 9
Blue metal	0	1 :	Ĺ			8 1 8
	_					
Carried forward	1	0 8	3 3 6	2	5	Total sunk and bored 86 0 3
	_				-	

## No. 2,244.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Whitworth Estate, Second Deep Hole, about 300 yards from the West Boundary Hedge, and about 200 yards North of the Byers Green Railway. Begun June 8th, 1837.

Strong brown and blue	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs Ft. In. Brought forward 33 5 3
1 ''	11	3	0				Di Li
Soft freestone, with		•	·				Grev metal stone 1 2 2
P. C.	1	0	17				Black metal, mixed
water	1	0	7				with coal 0 3 1
Soft blue metal	1	1	0				Grey metal, with post
Grey metal, with post	_	_	_				girdle 0 2 6
girdles	0	3	0				Grey post 0 4 0
Grey post	0	3	2				Grey metal, with post
Grey metal	0	2	0				girdle 2 5 3
Strong brown post	1	2	0				Black metal 0 1 2
Blue metal	0	1	8				COAL, foul 0 2 0
Grey metal, with post							
girdles	1	4	9				6 4 4
Blue metal	ī	ī	ŏ				Grey post 0 1 5
701 3 (1)	ō	ī	0				Soft dark grey metal 0 3 5
Dark grey metal, with	·	_	U				Strong white post 2 2 0
	٥	4	6				COAL, foul 0 1 10
post girdles	0	4	6				
Blue metal	2	1	О				3 2 8
Black metal, mixed		_					Grey metal 0 2 6
with coal	0	2	4				1 3777 1
Grey metal	0	4	2				
COAL	0	0	6				
			_	24	0	<b>2</b>	COAL 009
Grey metal	0	3	0				9 3 10
COAL	0	0	3				Daula muse markel 0 0 4
				0	3	3	Dark grey metal 0 2 4
Grey metal	0	1	6	-	•	_	COAL, foul, with
Grey post, with water	ő	3	3				water 0 1 2
	ő	ő	9				0 3 6
	0	2	8				
COAL, foul	U	Z	0	-			Soft grey metal 1 3 7
a	_	_	_	1	2	2	Grey post, with water 1 4 5
Grey metal	0	2	0				White post 0 4 11
Grey post	1	_	10				Blue whin 0 1 2
COAL, foul	0	0	6				Grey post 0 3 7
				1	5	4	Soft grey metal 0 0 11
Grey metal	1	5	2				White post, with water 5 4 111
Grey metal stone	1	3	5				COAL 0 4 1
Black metal, mixed							
with coal	2	1	11				
COAL	õ		10				In grey metal 1 3 0
COAL				6	0	4	an groj mour
			_	U	U	7	
						_	
Carried for	war	d		33	5	3	Total <u>67 2 24</u>

### No. 2,245.—WHITWORTH.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through in the Third Deep Hole on Whitworth Estate, on the West side of a Field on the East side of the Black Plantation, near an old oak tree, close to the hedge, and about 60 yards down the Field from the Road from Tudhoe to Burton Beck. Begun May 9th, 1838.

A	C-of all and	(0.11)
Approximate surface level	reet above sea	(Ordnance datum).

Soil	^	Ft.	In.	Fs.	Ft.	In.	Brought forward 22 1 3 13 4 3
701 001	17	0	0				1 ~
0 1	^	2	ő				
C1 11 1	-		ŏ				Di i
	_	4	3				*****
0001		1					White post 2 5 0 Dark grey post, with
COAL	U		11	10	3	2	1 1 0
Grey metal, with post				10	J	4	Black stone 0 0 6
girdles		0	10				COAL 0 1 7
COAL, foul	_	-	3				30 3 6
			_	3	1	1	Grey metal, with post
Grey metal	0	3	1	•	~	_	girdles 2 5 6
Black metal	^	ŏ	8				COAL 0 0 3
Dark grey metal	_	4	8				2 5 9
Grey post, with water		4	6				Dark grey metal, with
White post	1	3	1				scares of coal 0 5 6
Dark grey metal, with							Grev metal, with post
water	•	5	6				girdles 3 1 4
Grey post	0	1	6				COAL 0 1 11
Grey metal	0	1	0				4 2 9
Grey post	1	3	10				Dark grey metal, with
Grey metal, with post							scares of coal 0 2 0
girdles	3	0	6				Grey post 2 5 3
Blue metal	0	2	6				White post mixed with
Black stone, mixed							whin, and water 14 5 8
with coal	0	2	0				Black stone 0 0 6
Dark grey metal		2	4				COAL 0 1 8
Grey post		2	4				18 3 1
Grey metal, with post							Mild grey post 4 1 0
girdles		3	3				White post, with water 2 3 10
White post, with water	0	5	6				Grey metal, with post
Dark grey metal	0	2	5				girdles 0 5 5
Black metal, mixed							Dark blue metal 0 1 4
with coal		0	6				COAL — Brockwell
Grey metal	1	5	7				Seam 0 3 10
Black metal, mixed							8 3 5
with coal	0	0	6				
			_			_	70.40
Carried forward	<b>22</b>	1	3	13	4	3	Total <u>78 4 9</u>

## No. 2,246.—WHITWORTH.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

# Account of Strata sunk through in the Whitworth Park Pit. 1839.

	Fs.	Ft.	In.	Fs.	Ft.	In.	· Fs. Ft. In. Fs. Ft. I	n.
Soil	0	1	0				Brought forward 50 5	0
Brown sandy clay	0	1	6				Grey metal 0 3 8	
Strong brown clay	5	0	0				White post 0 5 2	
Strong brown post,	•	·	•				Grey metal, scared	
		4	^					
with water	3	4	0				with coal 0 3 6	
COAL, foul, with			_				Grey metal 3 0 8	
water	0	1	3				Blue metal 0 1 3	
	_			9	1	9	Grey metal 2 2 10	
Grey metal girdles	3	4	6				COAL - Top Busty	
COAL, foul	0	0	8				Seam 0 1 7	
<b>30712,</b> 1041				3	5	2	8 0	8
Ct motol	6	2	0	U	U	_	D. J	G
Strong grey metal Ft. In.		4	U					
COAL—Hutton							COAL—Lower Busty	
							Seam 0 1 9	
Seam 2 0							4 1	9
Splint 0 6		_					White post 10 0 0	
	0	2	6				Black stone 0 0 6	
	_			6	<b>4</b>	6	COAL 0 1 8	
Grey metal	3	1	7				10 2	2
Black metal	Ō	ō	9					4
0 11	3	2	9				Black stone 1 1 0	
A 0 1	0	õ	3				COAL 0 0 2	_
COAL	U	U	9	•	_		1 1	2
				6	5	4	Grey metal 2 0 3	
Grey metal	0	0	6				Strong white post 5 5 7	
Grey post	3	4	8				Splint 0 0 3	
Grey metal	3	2	5				COAL — Brockwell	
Grey post	0	2	3					
Grey metal	ŏ	ō	_					1
	ŏ	5	6				8 4	1
Grey post	-	5	1					_
Grey metal	0	_	_				Total sunk 83 2 1	10
Black stone	0	0	6					
Blue metal	2	2	7				Bored further, July	
Black stone	0	2	0				15th 1844:—	
Blue metal	0	2	8					
Grey metal	1	1	11				White and grey post,	
Grey post	1	0	0				mixed with whin 5 2 0	
α	ō	5	6				Grey metal, with whin	
	ő	ő	6				girdles 4 3 0	
Blue metal		_					Black stone 0 0 6	
Black metal and coal	0	3	4			_	COAL 0 0 7	
				16	4	3		1
Grey metal	0	<b>2</b>						-
Blue metal	0	1	1				0.103 1.100.01	
COAL	0	0	- 8				COAL 006	•
	_			0	4	4	5 3	6
Grey metal	2	0	7	9		-	Grey post 4 1 6	
	1	_					Whin 0 2 6	
Grey post	_	0					Strong white post 2 2 0	
Grey metal	0		10				Grey metal stone 0 3 0	
White post	2	5					1 1 1 1	
Black metal	0	0	10				COAL, foul 0 1 0 7 4	0
COAL-Harvey Sean	n = 0	1	7				7 4	U
				6	3	8		
				_				
Carried forward				50	5	0	Carried forward 106 4	5
Carried for ward				90	9	0	Carried for ward 100 1	

#### No. 2,246.—WHITWORTH.—CONTINUED.

Brought forward	Fs. Ft.	In. Fs. 106		In. 5	Brought forward			In. Fs, 113		
Strong grey metal		,			Grey metal stone				_	-
stone Whin					Strong white post, with whin girdles	9	2	Q		
White and grey post					Grey metal stone, in-	2	J	0		
Grey metal stone, with					clining to post	2	3	10		
post girdles White post COAL, tender	2 1	7			Whin	0	<b>2</b>	7		
White post	1 1	0			White post, mixed with		_			
COAL, tender	0 0	7			whin (	U	0	5		
		6	3	7	In whin $(\frac{1}{2} \text{ inch in } 24 \text{ hours})$	1	1	0		
						_	_		3	6
•								_	_	
Carried for	ward	113	2	0	Total			120	5	6
								-		

## No. 2,247.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Sunk at the New Pit at Whitworth Colliery. 1846.

Soil and clay	Fs. 2	$\frac{\mathbf{Ft.}}{2}$	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 13 3 1
Grey metal, with post	-	-	U				Black stone 0 0 11
7 11	5	2	9				COAL 0 0 11
	0		8				
Soft grey metal stone	-	0	9				0 1 10
COAL	0	U	9	0	-		Grey metal 0 1 7
~			_	8	1	2	Black stone 0 1 3
Grey thill	0	3	8				Grey metal 0 3 2
Black stone	0	3	0				Blue metal stone 1 5 4
COAL	0	0	5				0 0 11
				1	1	1	Grey metal 3 0 11
Grey metal, with iron-							Ft. In.
stone	0	4	7				COAL, good 2 8
Black stone	0	2	10				COAL, splint 0 7
Post	0	1	2				0 3 3
Grey metal stone	0	0	2				6 3 6
Post	Ŏ	0					Grey metal and post
Grey metal stone	ň	Ŏ	7				
Post	ŏ	ĭ	4				
0 11	ň	ō	9				
D4	0	ő	2 8				
	0	0	1				COAL, splint 0 0 9
Grey metal stone	-	1	8				2 1 4
Post	0						Grey metal and post
Grey metal stone	0	1	8				girdles 4 2 0
Post	0		10				girdles 4 2 0 Grey metal 7 1 0
Grey metal stone	0	1	0				Post 2 0 0
Post	0	5	3				Black stone 3 0 6
Grey metal stone	0	1	3				0.02
COAL	0	0	9				
				4	0	10	16 3 \$
Carried forward				13	3	1	Carried forward 39 1 6
, =======					•	-	q

## No. 2,247.—WHITWORTH.—CONTINUED.

Brough	t for	word	Fs.	Ft.	In.	Fs. 39	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 58	Ft.	In
rey metal			1	3	0	00		U	Grey metal and post	9			90	1	•
COAL	•••		0	0	4				girdles	3	3	3			
JOAL	•••	• • •	U	0	T	1	3	4	D 1	1		4			
							o	-30	COAL	0	ĭ	8			
rey metal		-	_	_	^				COAL				4	5	
girdles	•••	• • •	2	0	0				Grey metal	0	1	0	-30	J	
COAL	• • •	• • •	0	1	6	_	_	_	TT73 */	10	0	0			
					_	2	1	6	COAL	0	0	6			
rey metal	and	post							OOAL		-	-	10	1	
girdles		·	<b>2</b>	0	0				Grey metal	0	1	4	TO	1	
CÖAL			0	0	5					U	1	4			
			_		_	2	0	5	COAL Ft. In						
rey metal	and	post							D 1 0 1						
		*	3	3	0				0.041						
Vhite post			4	0	0				COAL 0 2	0	1	0			
Black stone			0	0	6				•	U	T	3	0	0	
COAL			0	1	6				G	~	_	_	U	2	
						7	5	0	Grey metal	5	0	0			
rey metal			Λ	4	0				White post	4	3	0			
Post			0	5	ő				Grey metal	0	4	0			
COAL	• • •	•••	0	ő	2				COAL — Brockwell	_		_			
OAL	•••	•••	U	U	_	-		_	Seam	0	4	0	٠.	_	
			_		_	1	3	<b>2</b>	0 11 1 1				10	5	
rey metal	and	-		_	_				Grey metal and post	_		_			
girdles	• • •		3	3	0				girdles	0	4	0			
COAL		• • •	0	1	8				COAL	0	0	4			
						3	4	8			_	_	0	4	
(	Carrie	ed for	war	d		58	1	7	Total				85	2	П

## No. 2,248.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

Account of a Boring in Whitworth Royalty, about 800 yards North from the Pit. July 8th, 1852.

~	Fs. Ft. In. Fs. Ft. In.		Fs. Ft.	In. Fs.	
Stony clay	4 0 0	Brought forward		14	3 6
Leafy clay		Grey and black metal		0	
Sand	0 1 6	Black stone	0 0	6	
Leafy clay		Strong grey metal			
Stony clay	2 1 0	stone, with iron-			
Grey metal	1 5 6	stone girdles		0	
Dark metal stone	0 5 9	Into white post	0 3	0	
COAL	0 0 3			- 3	5 6
	<b>———— 14 3</b> 6				
Carried for	rward 14 3 6	Total		18	3 0

#### No. 2,249.—WHITWORTH.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map.	Lat.	, Long.
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#### Account of Boring on Whitworth Estate, No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

Clay			2	2	4	Ft. In.		ght for		10	3		Fs.	Ft.	In.
			0	3	7		Metal			1	0	6			
Post			1	0	6		COAL			0	2	3			
Blue metal			0	4	3								12	0	1
Post			2	1	2		Dark met	al and	coal	0	0	4			
Metal and	coal		0	2	0		Into grey	metal		0	3	0			
Metal							0 0						0	3	4
Post															
Carrie	l forwa	rd_	10	3	4			Tota	1			_	12	3	5

## No. 2,250.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

No. 2 Hole.

		Total	 				13	5	0
						_	13	5	0
Into metal	 		 		5	0			
Post	 		 	 $^{2}$	0	0			
Clay Post	 		 	10	0	0			
				Fg.	Ft.	In.	FS.	PT.	In.

#### No. 2,251.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Bored in Widdrington Park, by John Wake. 1722.

Approximate surface level feet above sea (Ordnance datum).

Earth Grey post			3	Ft. 3	In. 0 6	Fs.	Ft.	In.	Brought forward 3 0 0 15 0 6
COAL		, (	0	0	6				3 0 6
Grey metal Black metal Grey metal COAL		. (	0	1 1 3 1	6 0 6	5	5 1	6	Grey post        2       3       0         White post        3       0       0         Strong whin        0       2       3         White post        0       3       0         Grey metal        1       3       0         COAL        0       3       0
Grey metal Grey post	::	-	1 1	3 3	0		-		8 2 3
Carried	forward	-	3	0	0	15	0	6	Total 26 3 3

### No. 2,252.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through in the Widdrington Estate, near Houndalee Farm House. June, 1849.

					· ·						
Soil			In. 0	Fs. Ft. In.	Brought forward			In. 10			In. 4
Yellow clay			4		Mild grey post, with	-	~	10			
Brown clay, with sand	U	-	-12		metal partings	1	4	1			
parting and a little					Strong white post,	_	-	-			
water	9	٥	5		mixed with whin	2	2	11			
Soft grey metal					Soft grey metal						
Black metal, mixed	U	4	U		Strong white post,	U	U	-1			
	0	1	0								
with coal	0	1	8		with metal partings	0	•	4			
Grey metal thill Soft blue metal Strong blue metal Strong grey post	0	2	1		and water	2	O.	G.			
Soft blue metal	U	9	3		Soft black metal Dark grey metal Blue metal	Ö	0	0			
Strong blue metal	Ţ	z	9		Dark grey metal	0	3	1			
Strong grey post	0	2	2			1	5	9			
Soft grey metal, with					Black metal, mixed	_		_			
thin post girdles	6	<b>2</b>	9		with coal			6			
Black metal, mixed					Grey metal	0	3	1			
with coal	0	0	6		Strong grey metal,						
Ft. In.					mixed with post	1	<b>2</b>	0			
COAL 1 11					COAL	0	1	0			
Grey metal band 0 4								—	13	5	5
COAL 0 8					Grey metal thill	0	1	6			
	0	2	11		Grey metal, with post						
	_			15 0 4	girdles	0	1	2			
Grey metal thill	0	1			Blue metal, with post	•	_				
Soft grey metal					girdles and water	2	4	3			
sort grey metar	_				Situtes and water	_		_			_
Carried forward	1	2	10	15 0 4	Carried forward	3	0	11	28	5	9
Carried 101 ward	_	-	10	10 0 4	Carried for ward	9	9	+1 '		_	*

## No. 2,252.—WIDDRINGTON.—CONTINUED.

NO. 2	م ∡ و	)4.		1 1 1	טט	161.	NOTON.—CONTINUED.
Brought forward Strong grey post	0	Ft. 0 1 3	In. I 11 2 3 0	Fs. 28	Ft.	In. 9	Brought forward 1 2 0 51 2 10  Grey metal and post girdles 0 5 3
Mild grey post Strong white post, with metal partings and water	6	4	0				Black metal 0 0 3 Grey metal 0 1 0 Grey post, with metal
Soft grey metal Ft. In. $1  1_{\frac{1}{2}}$	0	0	9				partings, water rose 3 fathoms and ran out of top of hole 1 3 0 Strong grey metal 0 4 4
Soft argillaceous shale $\dots$ 0 $4\frac{3}{4}$ COAL $\dots$ 0 5							COAL, coarse, with slate parting 0 1 7
Grey metal band 0 3 COAL 0 $4\frac{1}{2}$							Grey metal 0 5 4 Strong grey metal
COAL 0 4½	0	2	$-\frac{6\frac{3}{4}}{1}$	.1	0	$5\frac{3}{4}$	stone, inclining to post 1 3 0
Grey metal Strong grey metal	0	1	1 6				Coarse white post, with water 4 1 5 COAL, good 0 0 6
Strong grey post, with metal partings and water	1	1	6				Grey metal 0 1 8 Black metal 0 0 3
Soft grey metal, with thin girdles COAL	1	4 1	$\begin{array}{c}2\\7\frac{1}{4}\end{array}$				White post 1 1 3 Strong grey metal,
Grey metal stone	0	2	1	3	3 1	$.0\frac{1}{4}$	with post girdles       2       2       10         Light grey metal       1       2       3         Black metal        0       1       6
Strong blue metal, mixed with post Dark grey metal,	2	5	0				Light grey metal 1 4 9   Hard grey post 0 3 0
mixed with coal Strong grey metal,	0	1	0				Coarse white post, with water 3 0 6 Strong grey metal
mixed with post  Black metal, mixed with coal	0	3	11				stone 1 5 0 COAL, good 0 1 3
Grey metal, with post girdles Black metal, mixed	0	3	4				Strong grey metal, with post girdles 2 2 0 COAL, coarse 0 1 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0	$\frac{0}{2}$	3 3				Grey metal 0 2 6 Strong grey metal
splinty 1 6 Black metal,							stone 1 3 8 Black metal, with
with scares of coal 0 7 COAL, coarse 0 8							scares of coal 0 1 9 Grey metal 0 1 11 COAL 0 0 9
Black metal, with scares							Strong white post 1 2 0 COAL 0 0 4
of coal 0 2 COAL, splinty 0 9 Dark metal, with scares of coal 0 6							Strong grey metal, with post girdles 1 0 1 COAL 0 0 5
	0	4		7	4	9	Grey metal 1 1 7 Black metal, mixed
Grey metal Hard white post	0 0 0	$\frac{4}{2}$	6				with coal 0 0 11 Grey metal 0 2 4
Carried forward	1	2	0	51	2	10	Carried forward 1 4 10 83 5 4

## No. 2,255.—WIDDRINGTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 1 4 10 83 5 4	Brought forward 111 5 3
Whin girdles 0 2 8	Grey metal stone 1 2 11
Strong grey metal, with post girdles 1 5 0	Black metal, mixed with stone 0 0 2
with post girdles 1 5 0 Strong white post 1 0 0	
COAL 0 0 6	
	Grey metal 0 0 6  Grey metal 0 1 6
	COAL 0 0 4
White post 0 2 0	1 5 11
Grey metal, with post girdles 2 1 3	Deals was worked 0 4 1
girdles 2 1 3 Mild white post, with	Dark grey metal 0 4 1 Light grey metal stone 0 4 0
water 2 0 11	Light grey metal stone 0 4 0 Grey metal 0 0 4
COAL, good Ft. In.	Black metal 0 0 5
and clean 1 6	Grey metal stone 1 4 8
Grey metal band 1 0	COAL, foul 0 0 4
COAL, coarse 0 6	3 1 10
0 3 0	0 0 0 0 0
5 1 2	Strong white and grey
Light grey metal 1 5 0	post, with whin
Strong grey post 0 1 6	girdle 2 1 10
Strong grey metal	Strong grey metal
stone 1 5 10	stone 0 3 4
Mild white post, with	Grey metal 0 5 11
metal partings 1 5 11	Black metal, with
Whin ball 0 1 6	scares of coal 0 1 0
Hard white post 0 5 4	Grey metal thill 0 1 2
Whin ball 0 0 11	Strong white post, with
Strong grey and white post 1 1 4	metal partings 4 4 11
Coarse mild white post 1 1 8	COAL, good and
Grey metal, with scares	strong $0 \ 1 \ \frac{6\frac{1}{2}}{2} \ 9 \ 2 \ 6\frac{1}{4}$
of coal 0 0 7	
Coarse white post 0 3 2	Grey metal thill 0 4 0
Strong grey metal 0 1 9	Strong white post 8 4 6
White post, with metal	Coal pipe 0 0 2
partings 1 2 8	Grey metal (dark at bottom) 1 3 1
Ft. In.	Strong white post, with
COAL 0 4	whin girdle 5 2 1
Danty band 0 1	COAL 0 0 10
COAL, soft 0 7	16 2 8
Grey metal band (dark	D11
at the top) 1 4	Grey metal thill 0 0 8
COAL, soft 0 7	Strong white post, with
Slate band, grey 0 1	metal partings 2 2 0
COAL 0 7	Dark grey metal 0 5 4
<u> </u>	Strong white post, with
<del></del>	metal partings 1 1 1
Grey metal 1 0 2	Black metal 0 0 9
Strong white post 2 5 0	COAL, coarse 0 0 3
Grey metal 0 2 9	4 4 4
Black metal, mixed	Strong grey metal
with $coal$ 0 0 6	stone 0 1 9
Ft. In.	Into white post 1 4 8
COAL, coarse 0 5	2 0 5
Grey metal 1 4	
COAL 0 10	
0 2 7 $$ 4 5 0	
4 5 0	T-4-1 340 4331
Carried forward 111 5 3	Total 149 4 11½

## No. 2,253.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

An Account of the Boring in the Widdrington Estate, near the Moor House, by Geo. Stott. 1st March, 1854.

Clay	7	Ft. 2	In. 0	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 26 0 7
Grey post (water came to top of hole) .	_	5	6				Dark metal and post girdles 1 3 9
White post	_	2	2				White post 4 0 0
COAL	_	õ	5				Whin 0 1 0
	_			10	4	1	White post 2 3 9
Grey metal Ft. I	2	2	8				COAL 0 1 3
COAL, coarse 2 0							8 3 9
Grey metal 0							Dark metal 0 2 0
COAL 0 2							
Grey metal 0 8							Dark metal and post
COAL 0 5							girdles 3 3 4
	. 0	3	8	_			COAL 0 2 0
			_	3	0	4	6 3 4
Grey metal	0	5	9				0 3 4
Grey post	0	<b>2</b>	0				Grey metal 1 5 0
Dark metal		3	6				Grey post 6 5 8
COAL 1 5							Grey metal 0 2 0
70 1							Grey post 0 1 6
0041							Dark metal 1 1 6
COAL 2 10	0	4	4				Grey post 4 5 0
	·	.4	-10	2	3	7	Grev metal 2 4 3
			_	2	J	•	COAL 0 0 5
Grey metal	2	3	0				18 1 4
White post, with water	4	4	9				
COAL	0	1	4	-	_	_	Grey post, with water 3 4 6
	_			7	3	1	Metal parting 0 0 8
Dark metal	1	0	0				Grey post 3 2 6
COAL	0	0	6				Whin 0 2 3
	_			1	0	6	White post 7 4 6
Dark metal	0	2	0				Grey metal 1 4 4
COAL	0	1	0				COAL 0 0 9
			_	0	3	0	17 1 6
Dark metal	0	<b>2</b>	6				Into grey metal 0 0 5
COAL	0	1	6				
				0	4	0	
				Ů	-		
Carried fo	rwar	d		26	0	7	Total <u>76 4 11</u>

## No. 2,254.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Account of Boring on Widdrington Estate, — yards East from the Castle.

Begun April 25th, 1860; left off February 7th, 1862.

Stony clay	Fs.	Ft.	In. 6	Fs.	Ft.	In.	Brought forward 6 0 7 58 4 5
a * /	ĭ	2	ő				1 0 0
	ō	ī	ŏ				0 0 0 0
Grey metal	0	ō	9				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
COAL	U	U	9	7	5	3	The state of the s
0		<u> </u>		-	9	9	1
Grey metal	2	2	6				White post 0 2 0
Post	4	<b>2</b>	6				Grey metal 0 4 0
Grey metal, with	_	_	_				Grey post 4 3 0
girdles	1	1	8				Whin 0 1 0
COAL	0	0	10				Post 7 3 0
				8	1	6	Grey metal 0 5 0
Black metal, mixed							Post, with water (rose
with coal	0	1	2				to the top) 1 0 0
Grev metal	4	1	0				Dark metal 0 1 6
COAL	Ō	1	8				COAL 0 0 2
				4	3	10	23 3 3
Light grey metal	0	4	6	-	•		
Q	ŏ	5	ő				Grey metal 0 3 0
	ő	5	3				Grey post 3 0 9
Grey metal	0	0	9				Whin 0 3 0
COAL	U	U	9	0	9	e	White post 1 4 0
0 11		_	_	2	3	6	Whin 0 1 0
Grey metal	0	1	3				Mild post 1 1 6
Grey post	14	0	0				COAL 0 1 5
Dark grey metal	1	0	0				
Grey post	3	<b>2</b>	0				Grey metal 0 1 6
Whin	0	1	3				0.9.0
Grey post	3	0	0				Ft. In.
Post, mixed with whin	0	3	0				COAL 0 6
Mild post	0	3	0				Grey metal 0 2
Grey metal	0	1	6				COAL 0 2
Dark metal	Ō	ĩ	Ō				0 0 10
Grey metal	ĭ	5	ŏ				0 4 4
Mild most	9	2	6				
Post, with black scares	ő	3	0				5.200
D	ő	1	6				The state of the s
T01 1 / 1	ő	ō	2				
COAL		ĭ	$\frac{2}{2}$				
COAL	0	T	_	0-	0	4	
G				35	<b>2</b>	4	Grey metal 0 1 9
Grey metal	1	3	0				White post 1 0 0
Grey post	1	5	0				Grey metal 0 3 0
Whin	0	1	0				COAL 0 0 6
Grey metal	0	<b>2</b>	7				1 5 3
White post	1	0	0				Grey metal 0 3 0
Grey metal	0	2	0				0 5 0
Grey post	0	1	0				The state of the s
Grey metal	0	4	0				Grey metal 0 4 3
Combad forms	-	^		F0	4		Carried forward 2 0 3 95 2 0
Carried forward	6	0	7	<b>5</b> 8	4	5	Carried forward 2 0 3 95 2 0

#### No. 2,254.—WIDDRINGTON.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 2 0 3 95 2 0	Fs. Ft. In. Fs. Ft. Brought forward 100 4	
COAL 0 4 Grey metal 0 6 COAL 0 3		Grey metal        1       0       0         White post        4       3       0         Dark grey metal        0       1       6         White post        1       1       0	
Grey metal Grey post Whin	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Whin 0 0 6 Grey metal 1 2 0 Black metal 0 1 3 COAL 0 0 3	
Grey post Grey metal COAL	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey metal 0 2 0 Into white post 2 5 4	. 6
Grey metal COAL	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3 1	<b>4</b>
Carried for	rward 100 4 2	Total <u>112 3</u>	0

#### No. 2,255.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through at Air Shaft, 240 yards West of the Isabella Pit, Widdrington Colliery. March, 1869.

Approximate surface level feet above sea (Ordnance datum).

Soil		Ft. 0		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 4 0 9
Strong blue clay, with a few limestone pebbles Loam		5 3	0				Strong blue clay, with boulders of basalt, lime, and sandstones 3 4 3
Clay, with a good mix- ture of pebbles and boulders of lime-		Ü	Ů				Fire clay and coal pipes, very disrupt- ed; probably a trace
stone Sand on east side of pit and clay on west,	1	1	0				of upper seam 0 1 6 Hard blue metal 0 3 6 Ironstone girdle 0 0 6
pebbles and boulders in the clay; some of the boulders show marks of abrasion as of a glacial action;							Hard blue metal 0 4 6 1 4 0
the pebbles and boul- ders of limestone	0	3	0				Total depth on to the top of the seam (Main Coal
Carried forward	4	0	9				Seam) 9 3

N.B.—In sinking the Isabella Pit there was a parting of 6 inches of whin sunk through. Query—Is this basalt, or only a parting of extra hard blue metal?

#### No. 2,256.—WIDEOPEN.

#### TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 45", Long. 1° 36' 59".

Account of Strata bored through in the Second Place, about 300 yards South from East Wideopen, by Messrs. Rawling. January, 1769.

Approximate surface level 215 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.

Fs. Ft. In. Fs. Ft. In.

Comb to the goodfold		Ft.		Fs.	Ft.	In.	Daniel formand			In.			
Sunk to the scaffold	3 7	$\frac{4}{1}$	3 6				Brought forward	_		4	37	U	10
Box	•	T	O				Black stone COAL, with scares of	0	0	6			
Brown and blue rambly	3	4	6				brass	0	1	0			
post	5		0				brass	0	1	2	10		•
Brown post	_	0	-				Di- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	_	_	_	10	4	0
Grey metal	0	2	0				Black stone, with water	0	0	9			
COAL	0	0	9	00		_	Grey metal	0	4	6			
			_	20	1	0	White post, with water	3	0	0			
Grey metal and post							Strong white post,		_	_			
girdles	2	0	0				with water	0	2	0			
Whin	0	1	6				Strong grey metal						
Strong white post, with							stone, with hard	_					
whin	0	3	6				girdles and water	2	5	0			
Whin	Ō		Ō				Black stone	0	1	6			
Grey metal, with gir-	-	_	-				COAL	0	0	9	-		
dles and water	3	3	0					-			7	2	6
Whin girdle, or lump	ŏ		7				Strong grey metal	0	3	2			
Grey metal stone, with	•	•	•				Strong grey metal						
girdles and water	2	<b>2</b>	0				stone	1	1	4			
COAL	õ	õ 1					Whin girdle	0	4	6			
OOAL	U	0 1	_	9	0	6		3	3	11			
			_	U	U	U	Grey metal stone	0	4	0			
Grey metal and metal							Black metal, scared						
stone, with girdles							with coal	0	0	6			
or lumps	4	0	3				Strong grey metal	•	-	•			
COAL, foul	0	1	0				stone	1	0	6			
-			_	4	1	3	Grey post, with water	ō	3	ŏ			
Grey metal and metal (	2	2	3				Strong white post, with	·	•	•			
stone )			3		_	*	whin	0	3	0			
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	ŏ	0 1	_				Grey post	ĭ	ĭ	6			
COAL			_	2	4	4	Grey metal	ō	ī	6			
			_	4	-16	-36	Grey post, with water	ŏ	3	9			
Grey metal, with hard							Whin	ŏ	3	4			
lumps	0	3	6				White post, with water	ŏ	3	6			
Ft. In.								ŏ	2	ŏ			
COAL 0 10								U	4	U			
COAL, hard							Strong grey post, with water	0	1	0			
brassy 0 5							1	0	i	6			
Blue metal,							Grey metal stone	0		6			
with scares							White post, with water		î	0			
of $coal$ 0 7							Blue metal	1	0	5			
COAL 0 5							COAL	0	U	-		ο.	
	0	2	3				Distriction	$\overline{}$	_		L4	2	LI
-			_	0	5	9	Black stone		0	9			
Gray and white most	ດ	0 4	`	•	•	•	Strong grey metal		1	0			
	$^2$	2 (	-				Black stone	-	1	6			
			)				Blue grey metal	1	3	0			
3171 + **			)				Soft black metal, with						
			1				girdles or lumps		4	6			
	<b>2</b>	3 (	)				COAL i	0	0	9			
Blue metal, with hard	^						-			_	6	5	6
lumps	0	5 (	,				Hard girdle or lump	0	0	1			
Cumi-1 fam. 3			-		_			_	_	_ =		_	_
Carried forward 10	U	2 4	3	7	0 :	10	Carried forward	0	0	1 7	6	3	9
	A			,			1/01						

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,256.—WIDEOPEN.—CONTINUED.

Brought forward	0			Fs. 76		In. 9	Brought forward Fs. Ft. In. Fs
High Main Coal Seam-	~	0	4	0	0	5	Grey metal, with scares of coal 0 0 11 COAL 0 0 4
Blue grey metal Ft. In.	0	2	10				0 1 3
COAL, foul 0 4 Soft black							In grey metal stone 0 1 6
metal 0 5 COAL, with sulphur or							
water 1 3 Hard girdle,							
or lump 0 2 COAL, with sulphur or							
water 1 0 Hard girdle,							
or lump 0 2 COAL 1 10							
	0	5		1	2	0	
Carried for	war	d		78	0	2	Total <u>78 2 1</u> 1

## No. 2,257.—WIDEOPEN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2′ 45″, Long. 1° 36′ 59″.

Strata sunk and bored through in the  $\it A$  and  $\it B$  Pits, Wideopen Colliery.

Strong blue clay Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 29 2 5½
Broken stone, with	Grey metal stone 4 0 0
water 3 5 0	COAL, foul 0 1 0
Brown post, with water 6 0 10	4 1 0
COAL $0 0 9\frac{1}{2}$ $19 3 7\frac{1}{2}$	Grey metal stone $\left\{ \frac{2}{0}, \frac{1}{3}, \frac{6\frac{1}{2}}{11\frac{1}{2}} \right\} *$
Grey post, mixed with	COAL 0 1 3
whin 2 0 0	3 0 9
Grey metal, mixed with	Grey and blue metal 0 5 3
whin 1 2 3	COAL 0 2 1
White post, with water 1 1 4	1 1 4
Whin 0 3 0	Grey metal and post
Grev metal 0 5 7	girdles 2 0 0
Blue stone 2 3 8	COAL 0 0 10
Grey leafy post 0 5 4	2 0 10
Blue stone 0 0 9	Grey metal 1 5 5
COAL 0 0 11	White post 5 1 3
9 4 10	Blue metal 0 4 2
0 1 10	Dide metal 0 ± 2
Carried forward 29 2 5½	Carried forward $7  ext{ 4 10 40 0 } 4\frac{1}{2}$

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,257.—WIDEOPEN.—Continued.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	7		10	40	O	$4\frac{1}{2}$	Brought forward 2 0 1 81 1 51
Black stone	0	0	6				White post and post
COAL, with scares							girdles 0 5 6
of brass	0	2	9				Blue metal 0 1 0
01 21000				8	2	1	Grey metal stone, with
	^	_					post girdles 2 0 2
Grey metal	0	5	4				Black stone 0 1 2
White post	3	<b>2</b>	3				Grey metal stone 1 0 5
White post, with whin	0	5	9				
Grey metal stone, with							
hard girdles	1	0	3				Grey metal stone 0 5 10
Black stone	ī	5	9				Black stone 0 2 1
	ō	ŏ	9				Grey metal 0 1 1
COAL	U	•		8	2	1	White post, with part-
			_	0			ings 0 1 6
Soft grey metal	1	3	3				White post 0 0 10
Strong grey metal,							Grey metal stone, with
with whin	1	0	0				
with whin		U	U				11
Strong white post,							Hard white post, with
mixed with hard		_	^				partings 2 0 5
girdles	3		0				Dark grey metal 0 4 1
Black stone	0	1	0				Hard white post, with
Soft blue metal		4	7				partings 1 0 0
Strong grey post	_		Ô				Grey metal 0 2 5
Blue metal	Õ		4				Di- i- stone
		_	-				Grey metal 0 0 7
Grey post, mixed with		9	.9				
whin	1						White post, with part-
Blue metal	_	_					ings 0 3 9
Grey post							Grey metal stone, with
Blue metal	1	<b>2</b>	8				girdles 0 2 2
COAL	0	0	8				Strong white post 2 1 11
	_			13	2	8	Brown whin 0 2 8
~	_		_		_	_	White post 0 2 9
Girdles							1 17
Black stone	0	0	8				Grey metal, with post girdles 1 0 3
Grey metal	0	- 3	10				B11 4100
Blue metal, with							COAL—Yard Seam 0 3 4
girdles	_	4	9				22 1 7
Black stone	^						
~~ 1	^						Grey metal stone 2 1 3
COAL	U		7	6	,	l 11	Black stone, mixed
	_			U	• •	FIT	with coal 0 1 0
Soft grey metal	0	4	0				Dark grey metal 0 1 9
							Strong grey metal, with
High Main Coal Seam							
COAL 0 8							I and I am I am I am I am I am I am I am I a
							Grey metal stone, with
Black band 0 1							whin girdles 4 3 10
COAL 5 2		_					Soft grey metal 0 0 5
	- 1	. 0	0	1			Donaham Soam Tu
	_			1	. 4	4 0	Bensham Seam—Ft. In.
				_			COAL, foul 2 9
Total Sunk				78	3 4	$1\frac{1}{2}$	Band 0 2
2000 2001 110		•••		•		-2	COAL, good 0 4
Donad fruther .							Band 0 3
$Bored\ further:$ —							COAL, good 0 8
Thill ,	. 0	2	0				0 4 2
			-				9 1
Dark grey metal	. 1	. 0					
Dark grey metal COAL, foul, with	1						77511 0 1 6
Dark grey metal	1		4				Thill 0 1 6
Dark grey metal COAL, foul, with brasses	0	2		2	3 ;	3 4	Grey metal stone 0 1 6
Dark grey metal  COAL, foul, with brasses  Grey metal stone	$\begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix}$	2 4	1	2	3 ;	3 4	Grey metal stone 0 1 6 Light brown post, with
Dark grey metal COAL, foul, with brasses	$\begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix}$	2	1	2	3 ;	3 4	Grey metal stone 0 1 6
Dark grey metal  COAL, foul, with brasses  Grey metal stone	$\begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix}$	2 4	1	2	3 ;	3 4	Grey metal stone 0 1 6 Light brown post, with
Dark grey metal  COAL, foul, with brasses  Grey metal stone		2 4	1 0	2		3 4 	Grey metal stone 0 1 6 Light brown post, with

### No. 2,257.—WIDEOPEN.—CONTINUED.

Brought forward			In. Fs. 2 112			Fs. Ft. In. Fs. Ft. In.
Grey metal, with scares	J	U	2 112	-10	12	Brought forward 8 0 9 124 1 81
of —	Λ	1	0			Greyish whin 0 5 5 Dark grey metal stone 1 1 6
	U	_	U			Black stone, with coal 0 1 0
Strong grey metal, with post and whin						Dark grey metal, with
	3	1.	10			
girdles Greenish whin			2			Post girdles 3 0 4 Post, with whin girdles
Greyish post and whin	U		4			
j 11 "	9	2	0			and partings 0 2 8 Dark grey metal, with
COAL			5			
OOAL	_	_	11	3	7	Whin, with metal
~ .	_			0	•	partings 0 4 0
Shale	0	0	2			Light grey metal 0 1 10
Grey metal stone, with	_	٠				Dark grey metal 0 3 9
coal pipes	0	5	0			COAL 0 0 2
Strong white post and	_					
whin		1				
Whin			0			Black stone 0 1 4
Grey post and whin			9			Grey metal, with whin
Whin			10			girdles 0 5 6
Grey metal, with post	0	4	7			Black stone 0 0 8 Dark grey metal stone 0 2 3
Grey post, with cashy	_		0			
partings Grey metal stone	Ü	z	0			Grey metal stone and
Grey metal stone	2	0	3			post girdles, with
Black stone	U	0	10			whin 7 3 11
Dark grey metal, with	_		10			Grey metal, with scamy
post girdles	U	4	10			girdles, very dark 7 0 2
Black stone, mixed	_					Grey metal stone 1 3 3
with coal	O	3	4			——————————————————————————————————————
Dark grey post and	-	-	c			
partings	1	1	6			
Consid forward	•	_	0.104	1	01	Total sunk and bored 158 1 25
Carried forward	8	0	9 124	1	05	Total sunk and bored $158 1 2\frac{1}{2}$

## No. 2,258.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata bored through upon the South Willington and Hunwick Royalties.

July 31st, 1837.

Soil	0	Ft. 1		Fs. Ft. In.	Brought forward 5 1 8	Fs.	Ft.	In.
Strong clay and large tumbling stones Grey metal, with post	3	3	6		Strong white post, with metal partings 1 5 6 Grey metal 0 1 8			
girdles and water		2	8		COAL 0 1 6	7	4	4
Carried forward	5	1	-8		Carried forward	7	4	4

#### No. 2,258.—WILLINGTON.—CONTINUED.

Brought forward	_			Fs. 7		In. 4	Brought forward	Fs.	Ft.	In.	Fs. 26		
Grey metal COAL, foul		0	4 11	•		•	Strong white post, and set away water at 26 fs. 0 ft. 6 in	7	2	8			
	_			3	1	3		ó		4			
Grey metal COAL, foul	$\frac{2}{0}$	0	10 6				Strong grey metal,			_	7	4	1
	_			<b>2</b>	1	4	with post girdles	2	1	7			
Grey metal White post, with metal	0	4	6				Grey metal COAL, foul	0	4				
partings COAL, with water	1	$\frac{3}{2}$	40							_	3	1	3
<b>50712)</b> 111011 114001 111	_	_		2	3	10	Grey metal		4				
Grev metal	0.	1	9		_		COAL, foul	0	0	9			
White post, with water Blue metal	$_{0}^{1}$	$\frac{4}{1}$	8 6				Grey metal, with post			_	0	5	4
of water	0	1	3				girdles Strong white and grey	0	4	11			
				2	3	2	post, with metal partings	4	1	9			
Dark grey metal COAL	0	<b>3</b>	9				Grey metal, with post						
COAL				0	3	9	girdles Black metal, with	1	1	0			
Grey metal		5	4	Ü	Ü	v	scares of coal COAL, very good—	0	0	6			
COAL	0	1	5				Main Coal Seam	0	4	10			
			_	3	0	9				_	7	0	6
Strong grey metal, with whin girdles COAL, strong—Five-	3	1	9				Grey metal Grey post	$\frac{1}{2}$	$_{1}^{0}$	0			
Quarter Seam	0	4	4								3	1	C
			_	4	0	1							
Carried for	nro =	đ				<del>-</del> 6	m.t.1						
Carried for	war	u		20	U	U	Total		•••	=	48	0	-7

## No. 2,259.—WILLINGTON.

TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. Long.

Account of Strata bored through in Willington Burn, North Willington Royalty.

Begun November 8th, 1836; ended 1837.

Sand, with water $\begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 9 3 0 Grey metal 0 1 6
Carried forward 9 3 0	Carried forward 9 4 6

# No. 2,259.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward							Brought forward 40 0 9
Ft. In.							Strong whin 0 0 2
COAL 1 6		•					Grey metal, with stone
COAL, danty 0 9	0	2	3				girdles 1 0 2   Strong post 0 3 4
	U		o		_		Strong post 0 3 4 Dark scamy post, with
	_		_	10	0	9	water 1 1 6
Grey metal	0	1	8				Grey metal 0 5 5
Grey metal stone	1	0	0				Strong white post, with
Grey post	0	2	0				water 0 3 3
Blue metal partings	0	0	6				Grey whin 0 0 6
Grey post	0	3	0				Brown post 0 2 6
Brown post (set away	4	4	8				Grey metal 1 2 1
the water)	4	1	3				Brown scamy post 0 1 4
Grey metal	ŏ	î	5				Grey metal, with post girdles 2 0 3
COAL	_		_	7	2	6	girdles 2 0 3 Black metal, with
Char motal	0	2	0				scares of coal 0 3 3
Grey metal	U	4	U				COAL 0 0 5
Grey metal, with post girdles	1	3	0				9 0
Grey metal	ō	_	11				
Black stone	0	0	6				Grey metal 0 2 0
COAL	0	0	9				Scamy post 3 1 9
				2	2	2	Strong post 2 1 7 Grey metal 0 4 2
Band	0	1	1				Blue stone 0 3 2
Brown post, with water	0	1	6				Grey metal 0 2 7
White post	5	3	10				Grey shivery post 2 4 6
Strong white post	1	1	4				White post 0 2 0
Grey metal, with post	_						Strong white post 1 2 3 Dark brown shivery
girdles	1		3				Dark brown shivery
Grey metal	0	4	7				post 0 1 10
*Five-Quarter Seam—							COAL 0 1 3
Ft. In.							12 3
COAL 1 9 Band 0 4							Grey metal 0 2 8
COAL 1 10							Grey shivery post 1 1 1
	0	3	11				Strong white post 2 0 0
	_			10	2	6	Grey metal 0 2 7 White post 0 4 4
Grey metal	0	1	3				
Scamy post	ĭ		ő				Grey metal 0 0 3
Grey metal	ī		4				Strong grey scamy post 0 3 11
Strong white post, with							Dark shivery post 0 2 6
water	6		7				Dark grey metal 1 0 5
Grey metal	0	2	0				Black stone 0 1 3
Ft. In.							Grey metal 0 2 4
COAL 3 3							COAL 0 0 5
Splint 0 5	0	0	0				<del></del>
	0	3	8				
	-			9	4	10	
Carried for	wa	$\mathbf{rd}$		40	0	9	Carried forward 69 3

\* Another account gives this seam as:-

					-		
. 5			_	_	0	4	7
COAL, good and strong	 		<b>2</b>	3			
Band	 	•••	0	4			
COAL, good and strong	 	•••	2	0			
			rt.	III.	rs.	Ŀъ.	111.

#### No. 2,259.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Brought forward 7 1 4 69 3	In.
Grey scamy post	0	1	6	00	Ü	_	Black metal = 0 0 8	_
Grey metal, mixed	•		•				COAL 0 1 6	-
with post	0	1	11				<del></del> 7 3	6
Brown scamy post	0	5	5				Grey metal 0 0 8	
Strong white post	0	1	4				Grey post 0 3 9 Blue metal 0 3 5	
Grey whin, with water	0	0	8				Blue metal 0 3 5	
Strong grey post	0	5	3				White post 0 4 6	
Dark grey metal	0	1	11				Dark grey metal, with	
Dark blue metal							post girdles 1 1 4	
Strong white post	1	3	6				Strong white post 0 1 10	
Strong scamy post and							Dark grey metal, with	
water	1	0	1				post girdles 0 4 9	
Grey metal stone	0	3	11				In dark grey metal 0 4 8	
Blue metal	0	3	3				5 0	11
Carried forward	7	1	4	69	3	2	Total <u>82 1</u>	_7

## No. 2,260.—WILLINGTON.

#### TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Account of No. 1 Boring at Sunnybrow, North of Whin Dyke, and in the second Field West of Sunnybrow Farm House. June 8th, 1838.

Fs. Ft. In. Fs. Ft. In. Fs. GOAL, mixed with clay															
COAL, mixed with clay 0 1 6 2 4 6 Blue clay, mixed with sand 11 0 0 Brown freestone 0 4 0 Grey metal, with post girdles 2 0 6 2 0 6 2 0 6 COAL 0 1 10 0 2 5 14 0 4 10 0 12 4 10 0 12 4 10 0 .							In.	Ft.	Fs.						Rlue elav
clay        0       1       6       2       4       6       Grey metal, with post girdles        0       4       7       4       11       Grey metal, with post girdles        0       4       7       4       11       COAL (supposed Five-Quarter Coal Seam)       0       2       11       2       2       11       3       3       5       5       6       6       2       9       8       6       3       5       5       5       6       6       2       9       8       8       8       8       8       8       8       8       8       8       9       8	1 1	10	U							U	U				
Blue clay, mixed with sand 11 0 0 0 Brown freestone 0 4 0 0 Grey metal, with post girdles 0 4 7 Grey metal, with post girdles 0 1 10 Grey metal 0 2 0 6 Grey metal 0 2 1 5 Grey post 1 2 4 Dark grey metal 0 2 0 0 COAL, foul 0 1 7 Grey post, with water 2 0 5 Grey post, with water at the depth of 21 fs.  Grey metal, with post girdles 0 4 7  COAL (supposed Five-Quarter Coal Seam) 0 2 10  Grey metal 0 3 5 Grey post 1 0 0 White post, with water 7 2 9 Supposed Main Coal Seam Ft. In. COAL 4 2 COAL, coarse or splint 0 4 6  Soft grey metal 0 4 6  Soft grey metal 1										_	_				
Blue clay, mixed with sand 11 0 0 0 Brown freestone 0 4 0 0 Grey metal, with post girdles 0 1 10 Grey metal 0 1 10 Grey metal 0 2 0 6 Grey post 1 2 4 Grey post 1 2 4 Dark grey metal 0 2 0 0 COAL, foul 0 1 6 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.			ΤŢ	4	7					6	Τ	U	• • •		clay
Sand       11   0   0     Brown freestone     0   4   0     Grey metal, with post girdles     2   0   6     COAL       0   1   10     Grey metal     0   2   5     Grey post     1   2   4     Dark grey metal     0   2   0     COAL       0   1   6     Band       0   1   7     Grey post, with water   2   0   5     Seam   Ft. In.     COAL     4   2     COAL     6     CoA						Grey metal, with post	6	4	2						
Sand       11   0   0     Brown freestone     0   4   0     Grey metal, with post girdles     2   0   6     COAL       0   1   10     Grey metal     0   2   5     Grey post     1   2   4     Dark grey metal     0   2   0     COAL       0   1   6     Band       0   1   7     Grey post, with water   2   0   5     Seam   Ft. In.     COAL     4   2     COAL     6     CoA			7	4	0	girdles							with	mixed	Blue clay,
Brown freestone 0 4 0  Grey metal, with post girdles 2 0 6  COAL 0 1 10  Grey metal 0 2 5  Grey post 1 2 4  Dark grey metal 0 2 0  COAL, foul 0 1 1 6  Grey post, with water 2  Grey post, with water 4  Seam 0 0 1 7  Grey post, with water 4  Seam 0 4  Grey post, with water 2 0 5  Seam 0 4  COAL, coarse or splint 0 4  Seam 0 4  COAL, coarse or splint 0 4  Soft grey metal 0 4  Soft grey metal 0 4  Seam 0 4  COAL 4 2										0	0				
Grey metal, with post girdles 2 0 6 COAL 0 1 10 Grey metal 0 3 5 Grey post 1 0 0 White post, with water 7 2 9 Supposed Main Coal Seam Ft. In. COAL 4 2 COAL, coarse or splint 0 4 Grey post, with water at the depth of 21 fs. Soft grey metal 1 2 4 Soft grey metal 0 2 0 Soft grey metal 0 4 6 Soft grey metal 1 2 4 Soft grey metal 1 2 4 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey metal 1 2 4 Soft grey metal 1 2 9 Soft grey m			10	2											
Grey metal 0 1 10  Grey metal 0 2 5  Grey post 1 2 4  Dark grey metal 0 2 0  COAL, foul 0 1 7  Grey post, with water 2 0 5  Grey post, with water 2 0 5  Grey post 1 0 0  White post, with water 7 2 9  Supposed Main Coal  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Grey post, with water 2 0 5  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Soft grey metal 0 4 6  Soft grey metal 1 0 0  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Soft grey metal 1 0 0  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Soft grey metal 1 1 0 0  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Soft grey metal 1 1 0 0  Seam Ft. In.  COAL 4 2  COAL, coarse  or splint 0 4  Soft grey metal 1			10		U	Quarter Cout Seam)				U	720				
COAL         0       1       10       4       Grey metal        0       3       5         Grey metal        0       2       5       Grey post        1       0       0         Bark grey metal        0       2       0       8       8       8       8       8       9	2 4	11			_						_				
Grey metal 0 2 5 6 White post, with water at the depth of 21 fs.			=	9	Λ	Cwar motal									
Grey metal 0 2 5 Grey post 1 2 4 Dark grey metal 0 2 0 COAL, foul 0 1 6 Band 0 1 7 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.										10	1	0			COAL
Grey post 1 2 4 Dark grey metal 0 2 0 COAL, foul 0 1 6 Band 0 1 7 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.			U	U			4	0	14			_			
Grey post 1 2 4 Dark grey metal 0 2 0 COAL, foul 0 1 6 Band 0 1 7 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.			9	2	7					5	2	0		1	Grev meta
Dark grey metal 0 2 0  COAL, foul 0 1 6  Band 0 1 7  Grey post, with water 2 0 5  (Set away the water at the depth of 21 fs.						Supposed Main Coal				4	2	1			Grev post
COAL, foul 0 1 6 2 2 2 3  Band 0 1 7  Grey post, with water 2 0 5  (Set away the water at the depth of 21 fs.  COAL 4 2  COAL, coarse or splint 0 4  — 0 4 6  Soft grey metal 9										ñ	5	ñ	•••	matal	Dark grov
Band 0 1 7 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.  COAL, coarse or splint 0 4  ——————————————————————————————————															
Band 0 1 7 Grey post, with water 2 0 5 (Set away the water at the depth of 21 fs.  Grey post, with water 2 0 5 Soft grey metal 0 4							_	_	_	О	J.	U	• • •	ou	COAL, 10
Grey post, with water 2 0 5 — 0 4 6 (Set away the water at the depth of 21 fs. Soft grey metal 1							3	Z	z	<del></del>					
(Set away the water at the depth of 21 fs. Soft grey metal 9						or splint 0 4						0			Band
the depth of 21 fs. Soft grey metal 1			6	4	0					5	0	<b>2</b>	water	with	Grey post,
the depth of 21 fs. Soft grey metal 1	4 8	Q.											ter at	the wa	(Set away
	0 0		_			0-64									
5 10. 1 III.)	0 0	T				Soft grey metal									
														ш.,	5 IV. I II
Carried forward 2 2 0 19 1 1 Total 41	2 1	41				Total	1	1	19	0	2	<b>2</b>	vard	ed forv	Carrie
			=			1									

#### No. 2,261.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 2 Boring, to the South and East of Sunnybrow House, 130 yards South of Whin Dyke, by the Riverside.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Strong blue clay 3 3 0	Brought forward 10 2 111
Brown freestone post 1 5 4	Grey post 0 0 10
Grey post, with water 4 2 8	Grey metal 1 1 0
Supposed 5/4 Seam—	Grey post 2 4 5
Ft. In.	Grey metal $0 4 1\frac{1}{2}$
COAL 3 6	Grey post 0 2 4
COAL, coarse	<u> </u>
or splint $0   5\frac{1}{2}$	
$$ 0 3 $11\frac{1}{2}$	
$\frac{10}{2} 10^{2}$	
Carried forward 10 2 $11\frac{1}{2}$	Total 15 3 8

## No. 2,262.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 3 Boring, close to Hunwick Lane. June 8th, 1838.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Brown clay 1 1 0	Brought forward Fs. Ft. In, Fs Ft. In. 4 1 0
Black metal 0 3 0 Grey metal 2 1 2	
COAL 1 6 Band 0 2 COAL 0 2 0 1 10	Grey post 0 1 6 6 5 7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Total 11 0 7

This hole was lost.

#### No. 2,263.—WILLINGTON.

#### TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 4 Boring, about half way between Job's Hill and Sunnybrow House, say about 1,200 yards from Job's Hill.

Approximate surface level

feet above sea (Ordnance datum).

Grey post 0 4 6 6 5 0 COAL 0 0 2 10 COAL 0 0 0 9 Strong grey post 1 4 0 CoAL 0 3 3 Strong grey metal 2 1 5 Grey metal 0 2 0 Grey post 0 3 3 Strong grey metal stone 2 3 2 White post, with water 4 4 6 Ft. In.	
Grey metal        2       3       0         Black stone        0       4       5         Strong blue clay        6       0       6         COAL, foul        0       0       7         Grey post        0       4       6         Grey metal        0       2       10         Grey metal        0       0       9         Grey metal        0       0       9         Strong grey post        1       4       0       0       3       3         COAL (set away the water at 16 fathoms       4       6	D 2
Black stone 0 4 5 Strong blue clay 6 0 6 COAL, foul 0 0 7 Grey post 0 4 6 Grey metal 0 5 0 Strong grey post 1 4 0 Soft grey metal 2 1 5 COAL (set away the water at 16 fathoms 4 feet 8 inches) 0 1 9 5 4 8  COAL, with a band 4 inches 0 3 2 COAL 0 0 9 Grey metal 0 0 0 9 Grey metal 0 2 0 Grey post 0 3 3 Strong grey metal stone 2 3 2 White post, with water 4 4 6 Ft. In.	
Strong blue clay        6       0       6         COAL, foul        0       0       7         Grey post        0       4       6         Grey metal        0       5       0         Strong grey post        1       4       0         Soft grey metal        2       1       5         COAL (set away the water at 16 fathoms        2       3       2         4 feet 8 inches)        0       1       9         White post, with water       4       4       6         Ft. In.	
COAL, foul        0       0       7         Grey post        0       4       6         Grey metal        0       5       0         Strong grey post        1       4       0         Soft grey metal        2       1       5         COAL (set away the water at 16 fathoms        2       3       3         4 feet 8 inches)        0       1       9         White post, with water       4       4       6	
Grey post 0 4 6 6 5 6 Grey metal 0 2 10 COAL 0 0 9 9 Grey metal 0 5 0 Strong grey post 1 4 0 Grey metal 2 1 5 Grey metal 0 2 0 Grey post 0 3 3 Grey post 0 3 Grey po	
Grey post 0 4 6 Grey metal 0 5 0 Strong grey post 1 4 0 Soft grey metal 2 1 5 COAL (set away the water at 16 fathoms 4 feet 8 inches) 0 1 9  ——————————————————————————————————	L 7
Grey metal 0 5 0 Strong grey post 1 4 0 Soft grey metal 2 1 5  COAL (set away the water at 16 fathoms 4 feet 8 inches) 0 1 9	
Strong grey post        1       4       0         Soft grey metal        2       1       5         COAL (set away the water at 16 fathoms        0       1       9         4 feet 8 inches)        0       1       9         White post, with water       4       4       6         Ft. In.	
Soft grey metal        2       1       5         COAL (set away the water at 16 fathoms       Strong grey metal stone        0       3       3         4 feet 8 inches)        0       1       9       White post, with water       4       4       6         Ft. In.	3 7
COAL (set away the water at 16 fathoms 4 feet 8 inches)       Strong grey metal stone       2 3 2         White post, with water 4 4 6       Ft. In.	
COAL (set away the water at 16 fathoms       Strong grey metal stone       2 3 2         4 feet 8 inches)       0 1 9       White post, with water 4 4 6         Ft. In.       Ft. In.	
water at 16 fathoms 4 feet 8 inches) 0 1 9	
4 feet 8 inches) 0 1 9 White post, with water 4 4 6 Ft. In.	
5 4 8 Ft. In.	
Grey metal 1 4 2 COAL 4 4	
COAL 0 2 10   COAL, coarse	
2 1 0 or splint 0 5	
Grey post 0 4 6 0 4 9	
	5 8
WILL	, 0
Strong grey metal	
stone 0 4 9	
Carried forward 9 2 5 18 5 2 Total 39	. 0
Total III ob	

## No. 2,264.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 5 Boring upon the Willington Estate, about 100 yards East of the Railway Bridge that crosses the River Wear, on the West Durham Railway.

	0 10	Brough White post COAL		3 5	6		
Carried forward 5 5	6 6	C	Carried for	ward	10	3	0

## No. 2,264.—WILLINGTON.—CONTINUED.

Black metal        0 0 10         Brown freestone post 0 2 0       2 0         Black metal       0 5 8         Grey beds       1 0 9         Black metal       0 1 6         Brown post       0 2 6         White post       0 4 6         Grey post       0 2 6         White post       0 2 6         Grey post       0 2 6         Grey metal, with post girdles       1 1 0         Black metal       1 2 6         Black metal, with coal 0 1 0       6 0 8		F.,	Tar	T 73	771 7	1						
Thill 0 0 9 9 Grey metal 1 1 7 7 8 8 Grey metal 0 1 1 9 8 9 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	Brought forward	rs.				Bronght former						
Grey metal         1         1         7           Brown post         0         2         0           White post         0         3         8           Grey metal         0         4         1           Brown post         0         1         9           White post         0         1         0         9           White post         0         1         0         0         9           Brown post         0         1         0         4         3         0         0         0         0         0         9         White post         0         3         0         0         1         1         White post         0         3         0         0         0         1         0         1         0         0         1         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0         0         1         0	/FIX *11	0	0		0 0	Thill				20	1	10
Brown post		-				C1-1						
White post         0         3         8           Grey metal         0         4         1           Brown post         0         1         9           White post         0         1         0           Grey metal         0         1         1           Brown post         0         4         9           Brown post         0         3         0           Grey metal         0         4         9           Brown post         0         3         0           Grey metal         0         4         9           Brown post         0         3         0           Grey whin         0         0         6           Brown whin         0         1         10           White post         0         3         3           Grey metal         3         0         9           Black metal         3         0         9           Black metal stone         0         0         1           COAL         0         0         5           Thill         0         0         1           Brown post         0         0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
Grey metal         0         4         1           Brown post         0         1         9           White post         0         1         0           Grey metal         0         1         1           Brown post         0         4         3           Grey metal         0         4         9           Brown post         0         3         0           Grey whin         0         0         6           Grey whin         0         0         6           Grey whin         0         0         6           Brown post         0         3         3           Grey metal         3         0         9           Brown post         0         3         3           Grey metal         3         0         9           Black metal         0         0         1           COAL         0         0         6           COAL         0         0         5           Thill         0         0         1           Black metal         0         0         1           Black metal         0         0 <t< td=""><td></td><td>_</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>		_					-					
Brown post       0   1   9   9   9   9   9   9   9   9   9		-					_	-				
White post 0 1 0 d 9 d 9 d 10 Strong brown post 0 1 10 White post 0 1 0 8 d 9 d 10 Strong brown post 0 1 10 White post 0 2 0 White post 0 2 0 White post 0 0 0 6 d 10 d 10 d 10 d 10 d 10 d 10 d		-							-			
Grey metal         0         1         1           Brown post         0         4         3           Grey metal         0         4         9           Brown post         0         3         0           Grey whin         0         0         6           Brown whin         0         1         10           White post         0         2         0           White post         0         2         0           White post         0         0         4           Grey metal         3         0         9           White post         0         2         0           White post         0         0         5           Grey metal         0         0         0         0           Black metal         0         0         1         0         0         0           Thill         0         0         1         4         0         0         2           Black metal         0         0         1         4         0         0         2           Black metal         0         0         2         6         0         2		-				1371. 1	_					
Brown post 0 4 3 Grey metal 0 4 9 Brown post 0 3 0 Grey whin 0 0 6 Brown whin 0 1 10 White post 0 3 3 Grey metal 3 0 9 Black metal stone 0 0 1 Brown post 0 0 5 11 Brown post 0 1 4 Black metal 0 0 10 Brown freestone post 0 2 0 Black metal 0 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 2 6 White post 0 3 4 COAL 0 0 2  Strong brown post, with small partings 0 3 1 White post 1 0 8 Grey post 0 2 0 Black metal 0 0 0 5 COAL 0 0 0 5 COAL 0 0 0 5 Strong grey beds 0 3 0 Strong grey beds 0 3 4 COAL 0 0 2 6 White post 1 3 6 Strong grey beds 0 2 6 White post 1 4 8 Strong grey beds 0 2 6 Grey post 0 2 6 Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0  Grey metal, with post girdles 1 1 0		-				VV71.24 . 1 .						
Grey metal         0         4         9           Brown post         0         3         0           Grey whin         0         0         6           Brown whin         0         0         1           White post         0         2         0           White post         0         2         0           White post         0         0         4           White post         0         0         4           COAL         0         0         1           COAL         0         0         1           Thill         0         0         1           Black metal stone         0         0         1           COAL         0         0         5           Thill         0         0         1           Black metal         0         0         1           Black metal         0         0         1           Black metal         0         0         5           Grey beds         1         0         2           Grey beds         0         1         4           Strong grey beds         0         2 <td></td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td> <td>U</td> <td>1</td> <td>U</td> <td></td> <td></td> <td></td>		_	_				U	1	U			
Brown post 0 3 0 Grey whin 0 0 6 Brown whin 0 1 10 White post 0 2 0 White post 0 4 0 White post 0 0 0 5 Grey metal 0 0 0 1 Grey metal stone 0 0 0 1 Grey metal 0 0 1 4 Grey post 0 0 0 7 Grey metal 0 0 1 4 Grey post 0 0 0 7 Grey metal 0 0 1 4 Grey post 0 0 0 7 Grey metal 0 0 1 4 Grey post 0 0 0 7 Grey metal 0 0 1 4 Grey post 0 0 0 2 Grey metal 0 0 1 4 Grey post 1 3 6 Grey post 0 0 2 6 Grey post 1 4 8 Grey post 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post 1 1 1 0 6 Grey post		-	_				0	0	-			
Grey whin 0 0 0 6 Brown whin 0 1 10 White post 0 2 0 White post 0 4 0 White post 0 4 0 White post 0 0 4 0 Black metal stone 0 0 1  COAL 0 0 6  Black metal stone 0 1 4 Black metal 0 0 1 4 Black metal 0 0 10 Brown post 0 1 4 Black metal 0 5 8 Grey bost 0 3 3 Black metal 0 0 0 5  COAL 0 0 7  Strong grey beds 0 3 4 COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 4  COAL 0 0 2  Strong grey beds 0 3 6  Strong grey beds 0 2 6  White post 1 3 6  Strong grey beds 0 2 6  Grey post 0 2 6  Grey post 0 2 6  Grey post 0 2 6  Grey post 1 1 4 8  Strong grey beds 0 2 6  Grey post 0 2 6  Grey post 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 0 2 0  Strong grey beds 0 3 0  Strong grey beds 0 2 6  Grey post 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Grey post 1 1 1 0  Strong grey beds 1 1 1 0  Grey post 1 1 1 0  Grey post 1 1 1 0		-				White post						
Brown whin 0 1 10 White post 0 3 3 Grey metal 3 0 9 Black metal stone 0 0 1 COAL 0 0 6  Thill 0 5 11 Brown post 0 1 4 Black metal 0 0 10 Black metal 0 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 1 6 Brown post 0 1 6 Brown post 0 2 6 White post 0 2 6 Black metal 0 0 2 6 White post 1 4 8 Strong grey beds 0 2 6 Grey post 0 2 6 Grey metal, with post girdles 1 1 0  White post 0 0 4 0 Black metal 0 0 0 5  Strong thill 0 3 0 Strong grey beds 0 3 4 COAL 0 0 0 2  Strong grey beds 0 0 2 6 White post 1 3 6 Strong grey beds 0 2 6 Grey post 0 4 6 Grey post 0 2 6 Grey metal, with post girdles 1 1 0  6 0 8		-				Char nort						
White post 0 3 3 3 Grey metal 3 0 9 9 4 10 Strong grey beds 0 0 0 5 11 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 0 2 Strong grey beds 0 0 2 6 Strong grey beds 0 2 6 Strong grey beds 0 2 6 Strong grey beds 0 2 6 Strong grey beds 0 2 6 Strong grey beds 0 2 6 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 9 Strong grey beds 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal, with post girdles 1 1 0 Grey post 0 2 6 Grey metal 0 1 1 0 Grey post 0 2 6 Grey metal 0 1 1 0 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey post 0 2 6 Grey po	D	-					-					
Grey metal        3       0       9         Black metal stone        0       0       1         COAL         0       0       1         Thill         0       5       11         Brown post        0       0       1       4         Black metal        0       0       10         Brown freestone post       0       2       0       2       6         Black metal        0       5       8       8       8       8       8       9       4       10       6         Black metal        0       1       6       6       6       9       9       4       10						Dlask 4. 1	-					
Black metal stone     0   0   1						COM	-	-				
Strong thill 0 3 0 0 6   Strong grey beds 0 3 4   COAL 0 0 0 2		-				OOAL	U	U				
Thill 0 5 11 Brown post 0 1 4 Black metal 0 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 1 6 Brown post 0 2 6 Brown post 0 3 6 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 2 6 Brown post 0 2 6 Brown post 0 3 2 Black metal 1 2 6 Black metal 1 2 6 Black metal 1 2 6 Black metal 1 2 6 Black metal 1 1 2 6 Black metal 1 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 Black metal 1 6 6 6 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 0 6 Black metal 1 1 1 0	COAL	-								11	4	4
Thill 0 5 11 Brown post 0 1 4 Black metal 0 0 10 Brown freestone post 0 2 0 Black metal 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 2 6 Brown post 0 3 2 Black metal 0 3 2 Black metal 1 2 6 Black metal, with coal 0 1 0					4.10		0		0			
Brown post 0 1 4 Black metal 0 0 10 Brown freestone post 0 2 0 Black metal 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 2 6 Brown post 0 3 2 Black metal 1 2 6 Black metal 1 2 6 Black metal 1 1 2 6 Black metal 1 1 2 6 Black metal 1 2 6 Black metal 1 2 6				_	# 10	Strong grey beds						
Black metal        0 0 10         Brown freestone post 0 2 0       2 0         Black metal       0 5 8         Grey beds       1 0 9         Black metal       0 1 6         Brown post       0 2 6         White post       1 4 8         Strong grey beds       0 4 6         Grey post       0 2 6         Grey post       0 2 6         Grey post       0 2 6         Grey metal, with post girdles       1 1 0         Black metal       1 2 6         Black metal, with coal 0 1 0       6 0 8		-	-			COAL	0	0	<b>2</b>			
Brown freestone post 0 2 0 Black metal 0 5 8 Grey beds 1 0 9 Black metal 0 1 6 Brown post 0 2 6 White post 0 2 6 White post 0 2 6 White post 0 2 6 Black metal 1 2 6 Black metal, with coal 0 1 0		-	_	_						1	0	6
Strong grey beds 0 2 6   Strong grey beds 0 2 6   White post 1 4 8   Strong grey beds 0 4 6   Grey post 0 2 6   Strong grey beds 0 2 6   Grey post 0 2 6   Grey post 0 2 6   Grey metal, with post girdles 1 1 0   Grey metal, with post girdles		_				Strong white post	1	3	6			
White post 1 4 8   Strong grey beds 1 4 8   Strong grey beds 0 4 6   Grey post 0 2 6   Grey post 0 2 6   Grey metal, with post girdles 1 1 0   Grey metal, with girdles 1 1 0   Grey metal, with post girdles 1 1 0   Grey metal, with girdles 1 1 0   Grey metal, with girdles 1 1 0   Grey metal, with girdles 1 1 0   Grey metal, with girdles   Grey metal, with girdles 1 1 0   Grey metal, with girdles   Gr							_					
Strong grey beds 0 1 6   Strong grey beds 0 4 6   Grey post 0 2 6   Grey post 0 2 6   Grey metal, with post girdles 1 1 0   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 1 1 0   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 2 6   Grey metal, with post girdles 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post 0 4 6   Grey post		0										
Black metal 0 1 6 Brown post 0 2 6 White post 0 3 2 Black metal 1 2 6 Black metal, with coal 0 1 0		1										
Brown post 0 2 6 White post 0 3 2 Black metal 1 2 6 Black metal, with coal 0 1 0  Grey metal, with post girdles 1 1 0  6 0 8		0					-					
White post 0 3 2 Black metal 1 2 6 Black metal, with coal 0 1 0	Brown post	0					U	_	U			
Black metal, with coal 0 1 0							1	1	Λ			
Black metal, with coal 0 1 0		1				girdies	1	Ţ.	- 0	e	Ω	8
Carried forward 6 3 2 20 1 10 Total 39 1 4	Black metal, with coal	0	1	0						U	U	G
Carried forward 6 3 2 20 1 10   Total 39 1 4	0 1 1 0 1		_		1.10							_
	Carried forward	6	3	2 20	1 10	Total		• • •	_	39	1	4

### No. 2,265.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through at Willington Colliery, near Brancepeth.

Outset Soil	•••		0	Ft. 3	0	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 5 3 1 Fire clay 0 2 1
Yellow clay Blue clay	•••		0		0				Post girdle 0 0 7 Marl 0 2 8
Fire clay			0	0	0				
	Carried	for	war	d	_	5  5	3	1	Carried forward 2 5 0 5 3 1

## No. 2,265.—WILLINGTON.—CONTINUED.

Brought forward 2	Ft. In. Fs. Ft. In. 5 0 5 3 1	Brought forward White post	Fs. Ft. In. Fs. Ft. In. 18 4 11 8 1 0
COAL Ft. In.		White post Blue whin	0 4 0
Black band 0 11		White post	1 3 0,
COAL 0 9°		COAL	0 1 4
0	$1  6\frac{1}{2}$		10 3 4
	$\frac{}{}$ 3 0 6 $\frac{1}{2}$	Fire clay	0 1 6
Fire clay 0	4 8	Blue metal	0 5 3
Metal and grey girdles 0 Blue metal 0	5 0 2 6	COAL	0 1 0
0041	0 9		1 1 9
COAL 0	2 0 11	Fire clay	0 3 5
Thill 0	1 10	COAL	0 1 3
Grey post 0	0 11		
Girdle 0	0 3		0 4 8
Blue metal 0	1 9	Fire clay	0 1 3
COAL 0	0 5	Blue metal	0 2 0
	0 5 2		0 3 6
Fire clay 0	3 0	White post	$\begin{array}{ccc} 1 & 2 & 0 \\ 0 & 2 & 6 \end{array}$
Grey metal 2	2 6	Grey whin	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Black metal 0	1 4	White post Brown post girdles	0 0 10
COAL 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	X X 7 1 1 1	1 5 0
	2	Blue metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Fire clay 0	3 5		· - ·
Brown post $2$ Blue metal $0$	2 0 2 7	Main Coal Seam— Ft. In.	
Dido motar II III o	2 /	COAL 0 2	
COAL Ft. In.		Black stone 0 9	
Stone and		COAL 4 3	
band 0 2		Splint 0 4	
COAL, clean 2 0			0 5 6
0	2 10		<del></del> 6 3 6
	3 4 10		
Carried forwar	d 18 4 11	Total	38 0 2
The state of the s			

## No. 2,266.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42′ 15″, Long. 1° 41′ 52″.

Section of Strata sunk through in the B Pit, Willington Colliery.

Approximate surface level 300 feet above sea (Ordnauce datum).

Soil Blue clay Loamy clay Sand Blue clay		1 5 4 0	0 0 8	Brought forward 5 0 0
	d forward	 		Carried forward 9 4 0

## No. 2,266.—WILLINGTON.—CONTINUED.

Brought forward Strong blue clay Blue metal COAL	3 2 0 0 2 0	Brought forward 2 0 2 18 1 10  Five-Quarter Seam— Ft. In.  COAL, coarse 0 4  Jet 0 5  COAL 2 2
Grey metal	0 0 10 0 5 4 0 1 6 2 3 2 0 1 4	
Light blue metal  Light blue metal  Dost  Post  Blue metal	0 2 0 0 4 0 0 2 0 0 1 6	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Carried forward	2.0 2 18 1 10	Total $32 \ 211\frac{1}{2}$

## No. 2,267.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored near Willington, in a Gill 700 or 800 yards North from a Bridge, near the Half-way House, Shields Road. 1752.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and gravel							Brought forward 12 0 0
Brown and grey							Blue metal 2 4 0
rambly post, with							Black metal 0 1 0
water	1	0	0				Grey metal 1 1 0
Soft brown sandy							Brown, grey, and red
metal	0	2	0				scamy metal, with
Open brown and grey							girdles or lumps 1 1 6
scamy post	3	0	0				White post with grey
Brown and grey sandy							scamy partings 1 0 0
metal	<b>2</b>	3	0				Red and grey scamy
Open brown post, with							stone, with girdles
water	1	0	0				or lnmps 0 4 0
Brown seamy post,							Brown and grey girdly
with girdles and							post 1 3 0
partings	3	4	0				
- 5							
- Carried forward	12	0	0				Carried forward 20 2 6

## No. 2,267.—WILLINGTON.—CONTINUED.

D				Fs.	Ft.	In.	Duonaht famusial	Fs.	Ft.	In.	Fs.		
Brought forward	20	2	6				Brought forward	Э	5	U	48	1	
Brown and grey open							Grey and black metal,						
post, and set away			_				with some small	_	_				
the water	2	3	0				scares of coal	0	1	0			
Grey and white post,							COAL	0	0	3			
with brown scamy											6	0	:
_partings	1	0	0				Soft black and grey						
White post	1	3	0				metal, with girdles	0	2	0			
Whin girdles, mixed							White post	0	3	0			
with post	0	2	6				Grey metal stone	1	0	0			
White post	3	1	0				Blue metal, with gir-						
Grey and red scamy							dles or catheads	1	0	0			
metal stone, with							COAL, foul at the	-	Ü	·			
girdles and partings	2	0	0					0	0	0			
	_	U	U				bottom	U	U	9		_	
White post, with grey	-	0	^								2	5	
scamy partings	1	3	0				Blue metal	0	4	0			
Blue metal	0	1	0				Ft. In.						
White post, mixed							COAL, foul 0 6						
with whin	0	4	0				Blue metal 0 4						
White and grey post	1	0	0				COAL, foul 0 6						
Grey metal	1	0	0				COAL 0 8						
Soft black and grey								0	2	0			
metal, mixed with											1	0	
coal	0	1	8				a		_	_	-	0	
COAL, hard foul	•	-	_				Grey metal	0	1	8			
	Λ	1	Λ				Grey metal stone, with						
brassy	0	1	0				post girdles	0	3	0			
				35	4	8	Blue and black scamy						
							metal	0	4	6			
Strong white post	0	0	6				White post	ì	õ	ŏ			
White post, with grey							White post, mixed	-	Ŭ	·			
scames	2	4	0				with whin and						
Grey metal stone, with								0	^	0			
post girdles	1	2	0					0	0	8			
90 F 3	ĩ	$\overline{4}$	6				Blue metal	0	3	0			
White post Blue metal	0	3	0				Blue and black metal	0	3	0			
							Black slaty metal,						
	1	0	0				mixed with coal	0	0	9			
rey metal stone	1	0	0				COAL	0	0	5			
white post	0		0								3	5	(
White post	0		0				Blue metal stone with						
Strong white post	0	5	0				Blue metal stone, with						
Vhin	0	1	0				mixture whin gir-	-	_	_			
Strong white post	1	0	0				dles or lumps	1	3	0			
White and grey post		5	0				COAL	0	0	10			
COAL ""		0	6								1	3	16
	·	•		•	_		73. 1				-	•	-
				12	<b>2</b>	6	Black and grey metal,						
							with girdles or						
rey metal and grey	_	_	_				lumps	1	5	0			
metal stone	<b>2</b>	1	0				Grey metal stone	1	3	0			
ost girdles, with							White post, mixed						
metal partings	1	0	0				with whin	0	1	6			
rey post	0	3	0				Greg matal stone	2	ō	1			
rey post girdles, with	-						Grey metal stone						
blue and black part-							White post	0	4	4			
	1	0	0				Strong white post,			_			
ings	1	U	U				mixed with whin	2	1	5			
rey and black metal,	_	-	_				Whin	0	0 :	11			
	0	1	0				Strong white post,						
mixed with coal							mixed with whin	0	1	0			
Blue metal, with gir-							TT71 4						
	1	0	0				W DIII	()	()	4			
Blue metal, with gir-	1	0	0					0	0	4			
Blue metal, with gir-	1	0	0				Mixture whin	0	4	5			
Blue metal, with gir-		0 	0	19	1						69	4	0

## No. 2,267.—WILLINGTON.—CONTINUED.

												-
Brought forward	Fs.	Ft.	In. Fs.	Ft. In	.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
White post						Black metal, mixed	10	4	O	00	4	U
Whin			0		1		0	Λ	0			
	U	U	U		1	with coal	U	U		10	_	_
Strong white post,	-	0	0			D1 / 10				16	Ð	<b>2</b>
mixed with whin		Z	U		1	Blue metal	0	2	10			
Strong white post,						Hard black grey						
with water	1	0	0			girdly stone	0	1	6			
Strong white post,					- 1	girdly stone Grey metal stone	0	1	0			
with some black						White and grey post	0	1	6			
scames	0	3	0			Black metal, with hard						
Whin		0	9		- 1	girdles or lumps	1	1	0			
Strong white post,					ĺ	Black metal, with some						
mixed with whin		0	0		- 1	small white scares		4	4			
Strong white and grey	-	•				Black metal, with	•		-			
post girdles, with						girdles or lumps	1	1	Ω			
	Λ	4	0			COAL, foul						
metal partings		- 12	6			COAL, Ioui	U	U	4			0
White post	U	z	O			G 4.1.4				4	1	6
Blue metal, with white		_				Grey metal stone						
scares		1			-	Grey and white post						
Blue metal		2			1	Whin						
Black slaty metal	0	0	10			White and grey post	0	$^{2}$	6			
COAL	0	0	8							1	1	4
					-							
Carried forward	16	4	6 63	4	0					86	0	0
									=			_

## No. 2,268.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $55^{\circ}$  0' 42'', Long.  $1^{\circ}$  30' 3''.

Bored in the Millbank Pit, at Willington. February 23rd, 1775.

Approximate surface level 195 feet above sea (Ordnance datum).

Sunk to the scaffold Fs. Ft. In. Fs. Ft. In. 18 3 0	Brought forward 8 4 3 31 4 5
In box 6 0 0	Grey metal 0 3 6
Grey and blue metal 2 1 0	Ft. In.
COAL 0 2 5	COAL 0 10
8 3 5	Blue metal 0 5
Blue metal 4 3 0	COAL 2 9
COAL 0 1 0	0 4 0
	9 5 9
Grey and blue metal, j 0 4 7	Grey metal 0 4 6
with girdles \( \frac{4}{3} \) \( \frac{5}{5} \)	White and grey scamy
Grey scamy post 0 0 9	post 1 0 0
Black metal, mixed	Grey metal stone 1 0 0 COAL, foul 0 0 6
with coal 0 1 6	COAL, foul 0 0 6
Grey metal stone 2 4 0	2 5 0
Black metal 0 2 0	
Carried forward 8 4 3 31 4 5	Carried forward 44 3 2
* Approximate sea	level (Ordnance datum).

## No. 2,268.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In Brought forward 15 3 0 48 1
Grev metal	3	0	0		Ĭ	_	Grey metal stone, with
COAL	ő						black scames 0 1 6
		_		3	1	2	COAL 0 0 1
Grey metal	0	2	10				Grey metal 0 0 5
COAL, foul	Ō		6				COAL 0 0 10
		_		0	3	4	15 5 1
Grey and white post	0	5	0				Grey scamy metal
Frey metal stone, with							stone, with post
post girdles and							girdles 2 4 0
water	3	4	0				Grey scamy post 0 2 3
Whin	0	3	0				Mixture whin 0 1 3
rey metal stone, with							Grey metal stone, with
post girdles	5	0	0				post girdles 1 0 0
Strong grey post		0	0				Blue metal, with post
rev metal			0				girdles 1 0 0
oft black grey metal	0	4	6				Black stone 0 2 0
Soft grey and red							Grey metal stone 0 4 0
ramble	1	1	6				In grey metal 0 4 0
Blue grey scamy metal	<b>2</b>	0	0				6 5
Carried forward	15	3	0	48	1	8	Total 71 1

## No. 2,269.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $55^{\circ}$  0′ 34″, Long.  $1^{\circ}$  30′ 27″.

#### Sunk in the Edward Pit, Willington Colliery.

Fs. Ft. In, Fs	Ft.	In.			Ft.	In.		Ft.	
Soil and blue clay 6 0 8			Brought forward				52	1	0
Blue scamy metal 2 0 4			Blue stone	4	1	6			
Brown post 5 2 8			Strong white post	1	1				
Blue grey metal 2 3 4			Blue stone	1	4	0			
Black stone 0 3 0			COAL, foul	0	1	0			
Brown scamy post 1 1 0 Scamy post 4 3 0							7	2	0
Scamy post 4 3 0						_	•	-	U
Blue and brown scamy				1	4	0			
metal 0 5 0			COAL, foul	0	1	4			
Grey post, with soft				_		_	1	5	4
partings 6 2 6			Blue stone Grey post Grey metal stone COAL	1	4.	6			
			Grey post	î	3	ŏ			
Blue scamy metal $\begin{cases} \frac{1}{4} & 0 & 6 \end{cases}$	_	*	Grey metal stone	ī	1	4			
0 0 0			COAL	ñ	î	õ			
COAL 0 0 6	0	0	OOAL	U	•		1.	3	10
Blue metal, with	U	U				_	7	U	10
			Grey metal, with						
girdles 12 4 6 Grev post 3 4 6			girdles	2	5	0			
			Strong white post,						
			mixed with whin	13	3	0			
00712, 2041	-	^							
17	1	0							
0 116 1 70		_	G : 16	10		_	66	0	2
Carried forward 52	1	0	Carried forward	16	2	0	00	U	-

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,269.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.		D	Fs.	Ft.	In.	Fs.	Ft.	In
Blue and black metal,	10	2	U	66	U	4	Brought forward	2	0		12	8 (	7
with post girdles	4	3	0				Black metal	0	0	9			
COAL	ō		10				Grey metal stone Whin	0	4	9			
		- 0		20	ĸ	10	1	0	0	5			
~	_			20	U	10	Dark grey metal stone						
Grey metal stone	1	3	0				and metal, with post	,		^			
strong white post	1	3	0					1	4	0			
Whin	0	<b>2</b>	0				White post, with metal	_		_			
Post, mixed with whin	6	3	0				partings	0	4	0			
COAL—High Main	_	_					Dark grey metal and						
Coal Seam	1	0	0		_		metal stone, with whin girdles	2	-				
	_			10	5	0		4	5	2			
							Whin, with a mixture of strong post (9						
Depth to the High	Me	ain						0	1	10			
Coal Seam				97	5	0	Dark grey metal and	U	1	10			
							metal stone	2	0	0			
Bored Nov. 19, 1793,								4	U	U			
in a Staple near the							Bensham Seam-						
Edward Pit:—							Ft. In.						
rey metal stone, with							COAL 3 10						
whin girdles	6	0	0				COAL, hand 0 10	_		_			
rey metal stone and								0	4	8			
girdles	5	1	9							_	11	1	7
OAL	0	2	9				Grey metal stone and						
frey metal stone, with							grey metal	0	4	0			
girdles	2	<b>2</b>	0				White and grey post,	•	_	•			
Oark grey metal stone							with partings	1	0	0			
and metal, with post							Grey metal and metal						
girdles White post	3	4	4				stone	2	2	4			
	1	<b>2</b>	0				Soft grey and black						
ark grey metal stone							metal	0	5	0			
and metal, with post							COAL, with sulphur						
girdles	2		11				and water	0	1	6			
ark grey metal stone	O	5	0								5	0	10
Black metal, with coal	_	_	_				Grey metal	0	0	6			
pipes	0	0	8				White and grey post	ŏ	4	6			
Dark metal, with		_					Grey metal stone	ŏ	$\hat{2}$	5			
girdles	1	0	4				COAL, with water	ō	ĩ	3			
Whin, with partings	0	,	•								1	2	8
and water	0	1	6				Coor motel stone	0	_	0			
rey metal stone	0	1	6				Grey metal stone	0	5				
Vhin	0	0	6				White post	0	3 0	6			
rey metal stone and	0	9	3				Whin	0	1	6			
whin girdles Vhin	0	$\frac{3}{2}$	-				Strong white post	v	1	U			
	0	4	0				Grey metal and metal						
rey metal stone and							stone, with whin	4	0	0			
metal, with post	4	,	^					-10	U	0			
7 1 0	4	1	0				Five Quarter Coal						
COAL 2 4							Seam-						
							COAL, with						
Grey metal							sulphur and Ft. In.						
coal 2 0	_						water 1 9						
COAL 0 9	0	=	1				Grey metal 0 2						
	0	5	1	20	1	7	COAL, with						
			_	30	1	1	sulphur and						
rey metal stone and							water 1 0			1			
metal, with post							Minday or property	0	2 1	1	C	1	0
girdles	2	0	0				-			_	6	1	0
			_									_	
Carried forward	2	0	0	128	0	7	Carried forv	card	l	1	52	0	8

## No. 2,269.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 152			Fs. Ft. In. Fs. Ft. In Brought forward 155 3 3
Whin and white post alternately	1	4	1				Grey metal stone 0 3 6 Strong white post, with
Grey metal stone, with	_	_					water 5 3 3
girdles  Hutton Seam—	1	1	2				Dark grey metal 0 4 9 COAL, splinty, with
COAL, foul, with							grey metal 0 3 1
soft thill	0	3	4				7 2 t
				3	2	7	Grey metal stone 1 2 5
Carried for	war	d	1	L55	3	3	Total sunk and bored 164 2

The depth of this pit from the surface to the offtake or Tyne level drift is  $30\frac{1}{2}$  fathoms, high water mark.

## No. 2,270.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Sinking Pit, Willington, near the Boundary House. February 5th, 1795.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the scaffold Box	13		6	Fs.			Brought forward 13 3 0 33 Strong grey metal		In. 4
Strong white post, with				17	0	6	stone 1 2 2 Black stone, with		
water	1	1	6				sparkles of coal 0 3 8		
Brown scamy metal	0	3	9				COAL 0 0 4		
Whin	0	0	9				15	3	2
Strong white thready							Grey metal, with gir-		
post, and settled the							dles or lumps 3 0 0		
water	5	2	0				COAL 0 0 9		
Grey scamy metal							3	0	9
stone, with post		_					Grey scamy post 1 0 0		
girdles		2	0				Mixture whin 0 1 6		
Whin mixture	0	1	6				White and grey		
Grey metal and metal		_					thready post, with		
stone	_	1	0				water, and set away		
Black and grey metal,							the top feeders 0 4 6		
with some scares of	_		_				Strong grey metal		
coal		5					stone, with girdles 1 1 0		
COAL	0	0	10				COAL 0 1 0	•	^
G (1)	_			16	0	10	3	2	U
Grey metal	0	0	6				Grey metal, with coal		
Grey scamy stone, with							pipes and hard		
post girdles and							lumps 1 1 3		
metal partings							Grey metal and metal		
White post		1					stone, with post		
Whin		2					girdles 2 4 9		
Grey post		0					Strong white post, with		
Whin	0	3	0				water 0 4 6 Grey metal stone 0 3 0		
Grey and white post,							Grey metal score in a		
with partings and water		3	0				In strong white post, with water 0 3 6		
water	4	9	U				with water 0 3 6	5	0
				_					
Carried forward	13	3	0	33	1	4	Total 61	0	3
carried forward	10	J	J	00	1	-10	10001	Ě	=

## No. 2,271.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in Willington Estate, about 830 yards to the South from Shiremoor New Engine and near the New Winning.

Sunk about	Fs. 6	Ft. 3	In. 0	Fs.	Ft.	In.	Brought forward	Fs. 4			Fs. 45	Ft. 5	In. 0
Box	0	1	8				Grey metal	0	4	6			
		_	_	6	4	8	Black metal		1	2 5			
Blue and brown scamy	2	1	4				COAL	0	0	Э	5	0	1
metal Brown scamy post,	21	1	4							_	J	U	1
with rambly part-							Grey metal	0	2	3			
ings and water, and							Grey metal stone, with hard girdles	3	1	8			
set away the top							Black stone	0	ō	7			
feeder	5	2	8				COAL	ŏ	ŏ	5			
Blue grey metal	<b>2</b>	3	4								3	4	11
Black stone	0	3	0				Guar matal	0	1	6			
Brown scamy metal	1	1	0				Grey metal Blue and grey metal	U	1	U			
Grey post, with scamy			_				stone, with strong						
partings and water	4	3	0				white post girdles	2	3	0			
Blue and red scamy	Λ	5	0				Grey metal	0	1	6			
metal	0	o	U				COAL	Ü	0	8			
Grey and brown post, with soft scamy											3	0	8
partings	6	2	6				Grey metal	1	0	0			
Blue metal, with	0	-					Black metal, with	-	•	•			
brown scames	5	2	0				scares of coal	0	0	5			
COAL	0	0	6				Grey metal	0	0	5			
				29	0	4	COAL	0	1	2			
Blue grey metal	1	3	0								1	$^{2}$	0
Black stone	0	0	4				Soft grey metal	0	1	6			
COAL	0	0	9			_	Grey metal stone	ŏ	2	9			
				1	4	1	Strong white post	0	1	8			
Grey scamy metal							Grey metal stone, with						
stone, with post		1	Λ				strong girdles	1	4				
girdles Mixture whin, with	4	1	0				Black grey metal	0	1	3			
water	0	1	10				COAL	0	0	5	3	0	3
Grey metal stone	1	2	6									U	9
Blue metal	ĩ	4	6				Grey metal	0	0				
COAL	0	0	4				Grey post	0	<b>2</b>	0			
				7	4	2	Grey metal stone, with			_			
Grey metal	0	1	3				post girdles	2	$\frac{3}{1}$	5 3			
Hard girdle or lump	0						COAL	0	1	0	3	1	4
Grey metal		2					G 4.1	0	1	0	_	1	-10
COAL	0	0	4				Grey metal	U	1	U			
				0	3	9	Grey metal stone, with	1	0	9			
Grey metal	0	1	0				post girdles Black stone	0	2	0			
Grey post, with a mix-							Grey metal stone, with		_				
ture of whin	0						girdles	1	2	0			
Grey metal stone		1	9	)			Grey and white post	1	0	0			
Grey and white post,							Whin	0	1				
with a mixture of							Strong white post	1	0	3			
whin at the bottom	. 2	1	3	•							_		
Carried forward	4	0		45	5 5	5 0	Carried forward	5	1	0	65	2	3
Carried forward	4	U		- TE	, .	, 0	1						

## No. 2,271.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 65	Ft. 2	In. 3	Fs. Ft. In. Fs. Ft. In Brought forward 14 4 6 82 4 3
White post, with water near the							High Main Coal Seam—
bottom	6	2	0				COAL, with Ft. In. sulphur 6 3
		4	6				Soft blue scamy
Strong white post	4		6				metal 0 2
Grey and blue metal		0	3				COAL, coarse 1 2
COAL				17	2	0	1 1 7
Black metal	0	2	0			_	<del></del>
Grey scamy stone,							Grey metal, mixed
with strong girdles	1	3	0				with coal 0 0 5
Blue and black metal Grey metal stone	2	1	0				In grey metal and metal stone 0 1 6
Strong white post,		1	U				
with coal pipes							0 1 13
and scamy partings							
near the bottom,							
with water in some	٥	9	6				
places		4	_				
Carried forward	14	4	6	82	4	3	Total 94 0 5

## No. 2,272.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sunk to the High Main Coal in the South Winning Pit, Willington Colliery. 1807.

Approximate surface level feet above sea (Ordnance datum).

Outset			Ft. In. 0 0	Brought forward		Ft.	In.	Fв. 40		In.
a 1 "	20 0	0		Grey metal, with post		^	0			
		-		girdles	_		v			
Sand	0 3	0		Blue stone		3				
		-21	3 0	COAL, with water	0	0	11			
Blue ramble	$0 \ 4$	0						3	3	11
Brown post	3 0	0		Whin	0	0	8			
Grey metal stone	5 0	0		Post	1	0	0	-		
COAL	0 0	9		Grey post, with girdles		3	0			
		8	4 9			2	0			
Grey metal, with post			_	Grey post, with blue			-			
girdles	3 0	0		girdles	2	3	0			
White post	$^{2}$ 4	0		Black stone	1	3	0			
Grey metal stone	1 0	0		Grey metal stone, with						
COAL	0 0	6		water	0	4	6			
		<b>—</b> 6	4 6	White post, with water		1	0			
Carried fo	rward	40	0 3	Carried forward	13	5	2	43	4	2

### No. 2,272.—WILLINGTON.—CONTINUED.

D 110 7				Fs.			Fs. Ft. In. Fs. Ft. In
Brought forward	13	5	2	43	4	2	Brought forward 2 0 0 74 3 10
Grey and blue metal							Blue stone 3 0 0
stone, with post	_	_	_				Black stone 0 4 0
girdles	1		9				COAL, mixed with
COAL	0	0	6				stone 0 0 9
				15	1	5	F 4 0
Blue grey metal, with							5 4 9
strong post girdles	6						70-Fathoms Post—
COAL	0	0	4				White post 7 1 6
	-		_	6	2	5	Blue stone, with post
White post		0	0				girdles 2 4 0
Blue stone	2	0	0				Black stone 0 5 4
COAL	0	1	9				CCAL, foul 0 0 4
				4	1	9	10 5 2
Blue stone	0	1	4				
COAL	0	0	4				Black stone, with post
				0	1	8	girdles 1 0 0
Blue stone, with post							Black stone 2 4 0
girdles	1	4	9				COAL 0 0 3
Post	0	4	6				3 4 3
Blue and black stone	1	0	6				71 7 1
COAL	0	0	3				Black stone 1 1 4
			_	3	4	0	Post girdles 0 2 8
Blue and grey metal							Main Post-
stone	0	5	6				Post 10 3 0
COAL	ō		11				Blue metal 0 0 9
			_	1	0	5	12 1 9
Grev metal stone	0	4	0	_	•	•	COAL Tink Main
Whin and post	ŏ	$\hat{\mathbf{a}}$	ŏ				COAL—High Main Coal Seam
Grey stone, with post	·	•	·				Coal Seam 1 0 3
girdles	0	5	0				
	-		_				
· ·							
Carried forward	2	0	n	74	3	10	Total 98 2 1

### No. 2,273.—WILLINGTON.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $55^{\circ}$  0′ 54'', Long.  $1^{\circ}$ , 33' 35''.

Bored at Willington Colliery, Richard Pit. Begun October 15th, 1810.

Approximate surface level 200 feet above sea (Ordnance datum).

Clay Brown post		•••	$\frac{5}{6}$	$\frac{3}{0}$	0	Fs.	Ft.	In. 6	Brought forward Blue metal and girdles COAL, foul	9	0	0	Fs. 11	Ft. 3	In 6
	Carried	for	war	d		11	3	6	Carried forward				20	4	3

#### No. 2,273.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 20	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. 43 5	In.
White post	3	0	0		-	Ŭ	Blue metal and gir-	9
Grey metal and girdles		0	ō				dles 4 0 0	
Black metal	1	0	0				70-Fathoms Seam—	
Grev metal	2	0	0				COAL 0 2 0	
Grey whin	<b>2</b>	0	0				4 2	0
White post	1	0	0					U
Blue whin {-	0	3	9				Blue metal and gir-	
Blue whin {-	0	2	-3			*	dles 5 0 0	
White post girdles	3	0	0				COAL 0 0 6	
Blue metal	2	0	0				<del> 5 0</del>	6
COAL	0	1	0				Grey metal 3 0 0	
			_	18	1	0	White post 6 0 0	
				10	-	U	Grey metal 2 0 0	
Grey post	3	0	0				White post 2 0 0	
Blue metal	1	0	0				Black stone 2 3 0	
COAL	0	<b>2</b>	0				COAL 0 0 9	
				4	2	0	15 3	9
Grey metal	0	3	0				White post 11 3 0	
00'41	0	1	0				COAL-High Main	
COAL	U		U	_		_	Seam 1 1 0	
				0	4	0		_
							12 4	0
Carried for	war	d		43	- <u>-</u>	3	Total 81 3	6
Carried 101	11 a1	u		TO	U	9	Total 81 3	_0

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 2,274.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored near Willington Quay, about 50 yards North-east of the Copperas House.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Soil, with a mixture of Brought forward 3 0 1 soft clay ... 2 3 Stony clay 0 1 3 Leafy clay, with a mixture of sand and a siping of water... Soft swelling clay 0 2 3 0 2 Stony clay 0 3 Stony clay, with a Sand, with a mixture small mixture of of clay and water ... 0 0 sand Gravel, with water ... 3 9 Carried forward 1 3 0 Total ...

### No. 2,275.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Second Place, 200 yards North from the First.

Approximate surface level feet above sea (Ordnance datum).

Soil Soft brown stony clay Blue stony clay Leafy clay Stony clay Soft leafy clay, with a	0 1 2 0	1 1 0 5	0 6 0 6	Fs. I	rt. In.	S	Soft st Sand, Stony Leafy	tony with clay clay	tht forvelay water	 4 0 0 3 0	5 1 2 3 4	6 0 0 0	Fs.	Ft.	In,
mixture of sand and a siping of water	0	2	0										12	2	3
Carried forward	4	5	6						Total			-	12	2	3

#### No. 2,276.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Third Place, 200 yards North from the Second.

Approximate surface level

feet above sea (Ordnance datum).

Soil Stony clay Sandy clay, with a small siping of water Stony clay Leafy clay	0 4 0 1	0 9 0 9 1 6 0 0	Brought forwa Stony clay Leafy clay Strong stony clay	•••	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	) ) )		In. 0
.Carried forward	8	0 0	Total			21	0	0

## No. 2,277.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Willington Burn. Begun November 8th, 1836; ended 1837.

Sand and water	Fs. 0	Ft. 2	In. 6	Fs.	Ft.	In.		Fs. 9	Ft. 1		Fs. 30		In. 11
Strong blue clay	9	0	. 6				Ft. In,						
Grey metal	0	1	6				COAL 3 3				-		
Ft. In.							Splint 0 5						
COAL 1 6								0	3	8			
COAL, danty 0 9							_				9	4	10
, , ,	0	2	3				Strong whin	0	0	2			
				10	0	9	Grey metal, with iron-						
Grey metal	0	1	8				stone girdles	1	0	2			
Grey metal stone	1	0	0				Strong post	0	3	4			
Grey post	0	2	Ō				Dark scamy post, with			_			
Blue metal, with	-		_				water	1	1	6			
partings	0	- 0	6				Grey metal	ō	5	5			
Grey post	ŏ	3	ő				Strong white post, with	•	•	٠			
Brown post, and set	·	•	Ŭ				water	0	3	3			
away the water	4	4	8					ŏ	ŏ	6			
Grev metal	0	î	3				D	ŏ	2	6			
COAL	0	î	5				Grey metal stone	ŏ	5	ĭ			
OORL	_		_	7	2	6	Brown scamy post	ŏ	1	4			
Grey metal	0	2	0	•	_	U	Grey metal, with post	v	1	*35			
	U	2	U				aindles.	2	0	3			
Grey metal, with post	1	3	Λ					4	U	9			
girdles			11				C7	^	9	0			
Grey metal	0	_	11				scares of coal	0	3	3			
Black stone	0	0	6				COAL	0	0	5	0		0
COAL	0	0	9		-		G	_	_	_	8	3	2
D 1				2	5	2	Grey metal	0	2	0			
Band	0	1	1				Scamy post	3	1	9			
Brown post, with water	ō	1	6				Strong post	2	1	7			
White post	5		10				Grey metal	0	4	2			
Strong post	1	1	4				Blue stone	0	3	2			
Grey metal, with post	_		_				Grey metal	0	2	7			
girdles	1	4	3					2	4	6			
Grey metal	0	4	7				Strong white post	0	2	0			
Ft. In.							Strong post	1	2	3			
COAL 1 9							Dark brown shivery						
Band 0 4							. post	0	1	10			
COAL 1 10							COAL	0	1	3			
	0	3	11				_				12	3	1
				10	<b>2</b>	6	Grey metal	0	2	8			
Grey metal	0	1	3				Grey shivery post	1	1	1			
Seamy post	1	3	0				Strong white post	2	0	0			
Grey metal	1	0	4					0	2	7			
Strong white post, with								0	4	4			
water	6	0	7					0	1	5			
Grey metal	0	2	Ö				0 0 0	0	0	3			
v	_						_			_			-
Carried forward	9	1	2	30	4	11	Carried forward	5	0	4	61	4	0

### No. 2,277.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	5	0	4	61	4	0	Brought forward 3 0 0 69 3 2
Strong grey scamy							Dark blue metal 0 2 7
post	0	3	11				Strong white post 1 3 6
Dark shivery post	0	2	6				Strong scamy post
Dark grey metal	1	0	5				and water 1 0 1
Black stone	0	1	3				Grey metal stone 0 3 11
Dark shivery post Dark grey metal Black stone Grey metal	Ó	2	4				Blue and black metal 0 3 11
COAL	ŏ	$\bar{0}$	5				COAL 0 1 6
	_			7	5	2	7 3 6
Grey scamy post	0	1	6	•	U	4	0 11
Grey metal, mixed		_	·				Grey metal 0 0 8 Grey post 0 3 9
	Λ	1	11				331 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Proup comy post	0	<u> </u>	-5				Blue metal 0 3 5
Brown scamy post Strong white post Grey whin, with water Strong grey post	0	1	3				White post 0 4 6
Strong white post	0	T	4				Dark grey metal, with
Grey whin, with water	0	U	8				post girdles 1 1 4
Strong grey post	U	T	Ð				Strong white post 0 1 10
Grey metal, inclining		_	_				Dark grey metal, with
to post	0	<b>2</b>	6				post girdles 0 4 9
Strong grey post gir-							Dark grey metal 0 4 8
dle	0	1	4				5 0 11
Dark grey metal	0	1	11				
Carried forward	3	0	0	69	3	2	Total 82 1 7
							b

### No. 2,278.—WINDLESTON.

#### TOWNSHIP OF WINDLESTON, DURHAM.

Sheet 42 or 43 of Ordnance Map. Lat.

, Long.

# Strata sunk through in the 16-feet Pit at Windleston Colliery for Messrs. Joseph Pease and Partners. Finished October, 1877.

-															_
Soil				Ft.		Fs.	Ft.	In.	Brought forward		Ft.		Fs. 39		In. 11
	•••	•••	0							_	0	•	00	•	
Clay	• • •	• • •	3	5	0	4	_	^		4	9	4.			
n .						4	0	0	ruddy partings	0	1	- A			
Brown and	blue lu								COAL	U	1	U	7	0	11
stone	•••		30	4									7	U	11
						30	4	8	Seggar clay	0	1	9			
Grey metal		•••			4				COAL		0	7			
White post			1	4	6				1 001.2				0	2	4
White po	st, w	$_{ m ith}$								-		_	0		4
ruddy par	tings		1	2	0				Strong seggar	0	3	10			
Red sandsto	ne		1	3	0				COAL	0	0	2			
Blue metal			0	0	6								0	4	0
COAL			0	0	11								U	·F	U
						5	1	3	Black metal	0	1	0			
Seggar clay			0	3	6	-	_	_	Blue metal, with iron-						
Strong grey	metal		~	ő	ĭ				stone nodules	3	$^2$	4			
and Hiel	mount	•••			_										_
Carried	forwar	d	2	3	7	39	5	11	Carried forward	3	3	4	48	1	$^2$
Carried	101 wai	u	4	J	•	00	J	11							

### No. 2,278.—WINDLESTON.—Continued.

110.	ــــــــــــــــــــــــــــــــــــــ	,,,	<u>.                                    </u>										
7. 1.0 1	Fs.			Fs.			D.,	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	4	48	1	2	Brought forward	•	^		88	3	4
Hutton Seam- Ft. In							Seggar Strong grey metal	0	0	6			
COAL 2 1							Strong grey metal	0	5	6			
Splint 0 8			^				Blue metal, with iron	-	4	0			
	0	2	9	4	0	1	balls	1	4 2	6 6			
C. St	_	2	4	4	U	1	Black metal Ft. In.	U	4	U			
Soft seggar clay	0	4	-36				COAL, can-						
White post, with open	2	3	6				nel }* 0 4						
gullets Grey metal	õ	1	4				COAL, good) 1 2						
COAL	ŏ	ō	4					0	1	6			
OOAL				3	1	6		v	-	U	_	_	
Seggar	0	5	8	_	_	_					3	2	6
Blue metal	í	3	8				Seggar	0	0	10			
White post with black							White post, with whin						
metal partings, with							balls	<b>4</b>	0	8			
open gullets	1	4	6				Grey metal	0	0	2			
Seggar, with coal							COAL, coarse	0	1	6			
pipes	0	0	7								4	3	2
Grey metal	0	2	0				Coango commun	^	0	0			
White post, with							Coarse seggar	0	2	0			
ruddy partings	<b>2</b>	<b>2</b>	0	•			Grey metal, with iron balls	6	0	9			
Strong grey metal	1	4	4				COAL, very coarse	0		10			
COAL	0	0	<b>2</b>	_			Conz, very coarse	U	U	10			
~		_	_	8	4	11					6	3	7
Seggar	0	2	0				Seggar	0	0	8			
Grey metal, with post	4		^				Grey metal, with post						
girdles	1	3	0				girdles ,	1	1	4			
White post, with ruddy	4	9	^				Grey post, with metal						
partings Grey metal	4	3	0				partings and coal						
	3	U	10				pipes	0	5	0			
Coarse seggar, with iron balls	0	2	0				COAL—Busty Seam						
White post, with balls	U	4	U				(bottom part)	0	2	7			
of whin	5	1	0								2	3	7
Grey metal	1	4	3				Coarso soggen alay	0	3	0			
Harvey Seam- Ft. In.	-		•				Coarse seggar clay Strong white post	0 7		11			
COAL 1 2							COAL	ó	0	5			
Grey metal 0 11							COAL	U	U	U	_	_	
COAL 2 6											8	3	4
	0	4	7				Seggar clay	0	0	11			
			_	17	<b>2</b>	8	White post, with metal						
Seggar	0	1	6				partings	1	2	0			
White post	0	5	6				Blue metal	0	5	0			
Grey metal, with post							Strong thill stone,						
girdles	0	1	6				resembling seggar	0	3	0			
Grey metal (resemb-							Strong grey metal,			_			
ling seggar)	0	5	0				with post girdles	2	. 2	3			
Grey metal, with post	_	_	_				COAL	0	1	10			
and whin girdles	1	5	0								5	3	0
Black metal	0	1	0				g ,	_		_			
Blue metal, with iron-	0	_	0				Seggar clay	0	1	6			
stone nodules	<b>2</b>	0	6				Grey metal, with post	0	4	^			
Busty Seam (top							girdles	0	4	0			
part)— Ft. In.							White post, with metal	0	4	0			
COAL 1 7							partings	0	4	0			
Band 0 3 COAL 1 2							Strong white post, with	3	1	7			
COAL 1 2	0	3	0				whin balls Blue metal	0	4	10			
		မ 	_	6	5	0	Blue metal	U	U	10			
					J.					_			
Carried for	ward	1		88	3	4	Carried forward	5	2	11	119	4	6
0304 101				55	3	2	Carried for ward	9	_				
					4.4								

<sup>\* 3,200</sup> gallons of water per hour.

### No. 2,278.—WINDLESTON.—CONTINUED.

	In. Fs. Ft. In.		Fs. Ft. In. Fs. Ft. In.
Brought forward 5 2	11 119 4 6	Brought forward	8 4 8 151 3 6
Brockwell Seam-		Grey metal	1 0 6
Ft. In.		White post	0 3 0
COAL, good 1 1		Grey metal	0 1 0
Black metal		Grey post	1 0 0
band 0 4		Grey metal	0 1 0
COAL, good 1 6		COAL — Victoria	
COAL, coarse 0 8		Seam	0 1 5
Seggar clay			
band 0 5		•	11 5 7
COAL, good 0 6		Coarse seggar	0 2 0
Seggar clay			0 2 0
0.0		Grey metal, with post	0 4 0
		girdles	0 4 0
	0 4	White heavy post, with	1 0 10
I	0 4	whin girdles	1 2 10
	6 3 3	Grey metal	2 4 0
a with		Grey whin girdles	0 1 0
Coarse seggar, with	1 0	Bastard post	0 3 0
	1 6	White post	1 2 3
Grey metal, with iron		Grey leafy post	2 1 0
	3 0	Soft grey metal	2 3 11
Grey metal, with post		COĂL	0 1 0
girdles 1	1 0		12 1 0
White post 1	1 2		12 1 0
Brown whin 0	3 6	Seggar	0 1 6
White post 0	0 9	White post	0 2 0
Grey metal, with post		Grey metal, with post	<u> </u>
	3 0		0 3 0
	3 6	girdles	2 3 9
Grey metal, with post		Grey metal	0 0 11
girdles 1	3 9	COAL	
White post, with whin	0 0		3 5 2
	4 9	O	0 4 0
8	# 9	Ganister	
Grey metal, with post	1 0		100 1 0
girdles 2		Bottom of pit	$180 \ 1 \ 3$
Black metal 1	1 6		
COAL 0	0 6		
	<b>——</b> 13 4 11	Donal funthan	
Seggar clay 0	3 0	Bored further:	
Grey metal 0	5 0	Grey metal, with post	2 5 0
White post, with whin	•	girdles	
	4 0	Black metal partings	
~ 0	2 0	Grey metal	
J F	5 6	Post (dark at top)	
	5 3	Grey metal	0 2 6
0000	-	Grey metal, with post	
COAL 0		girdles	1 3 7
	10 1 5	Blue metal	0 4 2
Coarse seggar 0	2 0	Black metal	0 0 4
Grey metal, with post		Grey metal	0 2 5
girdles 0	4 9	Grey metal and post	_
COAL, coarse 0	0 8	girdles	1 2 8
	1 1 5	White post	8 2 6
		Grey metal	0 5 7
Coarse seggar 0	3 0		3 3 8
Grey metal, with post		11.22.00	5 3 11
girdles 0	3 6	0103 220	0 0 6
White post, with whin		Grey whin	
and partings 7	4 2		32 1 4
• 6			
Carried forward 8	4 8 151 3 6	Total depth sunk an	d bored $212$ $2$ $7$
Carried forward 8	A 0 101 0 0	20002 25	

#### No. 2,279.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43′ 40″, Long.1° 23′ 1″.

Strata sunk through in the Lady Pit, Wingate Grange Colliery.

Approximate surface level 400 feet above sea (Ordnance datum).

0.4.4			's. 1	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. Brought forward	In.	Fs. 72		
Outset		•••	0	1	0	U	0	U	Band 0 1	2			02
Soil		1		3	0				COAL—Five-Quarter	-			
Blue clay	•••	т	9	J	U	13	4	0	Coal Seum 0 4	2			
T	:41- 3	- :				TO	-10	U	Coat Seam O ±		0	5	1.
Limestone,									Black metal 0 1	2	U	U	7
regular p	artings	01 10								6			
blue and b										$\frac{1}{6}$			
at 6 to 8			_	^	_				White post $\dots$ $\dots$ 1 2 Grey metal $\dots$ $\dots$ 0 3	6			
the bottor		4		0	5				Grey metal 0 3	5			
Black metal		•••	0	1	4				COAL 0 1	Э			
Yellow clay		• • •	υ	0	3				~		3	5	8
Soft yellow			0	1	3				Grey metal 2 2	5			
White post			2	1	9				COAL 0 0	4		_	
Red metal			4	2	0			*			2	2	9
Red metal	•••	j	$\bar{o}$	1	0			- 70		10			
Grey metal			4	1	Ô				Post 5 5	8			
			1	î	5				Post 5 5 Grey metal 0 2 Black metal 0 3	2			
		_	•	-					Black metal 0 3	9			
Three - Quar		al							Main Coal Seam-				
Seam—		In.							Ft. In.				
COAL	1	4							COAL 1 4				
Band	0	$1\frac{1}{2}$							Band 0 4				
COAL	1	8							COAL, good 3 1				
Band	0	3							COAL, splint				
COAL	1	0							or coarse 0 4				
••••		-	0	4	4	<u>1</u> .			—— 0 5	1			
			_	_		<sup>2</sup> 58	9	$9\frac{1}{9}$	<u> </u>	_	7	5	6
		_				90	2	$\sigma_{\overline{2}}$					
						_		_	Total		88	1	01
Cε	arried fo	rwai	ď			72	5	$9\frac{1}{2}$	rotai	-	30	1	02
								-		7			

#### No. 2,280.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43′ 39″, Long. 1° 23′ 2″.

Account of Sinking and Boring at the Lord Pit, Wingate Grange Colliery, in the County of Durham. 1839.

	Fs.	Ft.	In.		Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset				0	5	0	Brought forward 28 0 0 0 5 0
Soil	0	1	0				Yellow limestone, with
Strong blue clay	9	1	0				water 30 1 0
Blue clay, with marly							Blue limestone 0 5 6
partings	5	1	0				Yellow sand 0 1 2
Mild, light - coloured							59 1 8
limestone	13	3	0				White post 2 4 0
Carried forward	28	0	0	0	5	0	Carried forward 2 4 0 60 0 8
							· ·

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 2,280.—WINGATE GRANGE.—CONTINUED.

Brought forward	Fs. 2	Ft. In	60 i. Fs.			Fs. Ft. In. Fs. Ft
D1 1.1	3	5 4		_	Ū	1 171.:1
Blue metal	2	1 8			*	Rino motol
Grey metal	3	0 0				Dark brown post 0 3 6
Blue metal	ĭ	0 0				Strong white post 2 5 11
Three-Quarter Coal	-	0 0				Grey metal, with post
Seam— Ft. In						girdles 0 4 11
COAL 1 8	•					COAL-Low Main
Stone band 0 2						Seam 0 1 8
COAL 1 6						15 2 6
Stone band 0 3						Black stone 0 0 7
COAL 1 0						White post 0 1 2
	0	4 7				Grey metal, with post
			13	3	7	girdles 5 4 10
Stone band	0	1 2		•	•	Blue metal 3 0 3
COAL-Five-Quarter						Grey metal 0 4 0
Coal Seam	0	4 1				White post 0 2 10
			0	5	3	Grey metal, with post
Splint and black stone	0	1 2			-	girdles 1 2 7
Grey metal	1	3 6				White post 0 2 1
White post	1	2 1				Blue metal 4 3 5
Grey metal	0	3 6				White post 0 2 1
COAL	0	0 5				Blue metal 1 4 7
			3	4	8	COAL—Hutton Coal
Black stone	1	0 0				Seam 0 2 8
Grey metal	2	2 5				19 1 1
COAL	0	0 4	_			Total sunk 129 4 0
Plant stone		0.10	3	<b>2</b>	9	Total sunk 129 4 0
Black stone	0	0 10				Bored further:—
White post Grey metal	5 0	5 8 2 2				Thill stone 0 3 3
D1	0	2 6				Grey metal 2 1 11
Grey metal	ő	$\stackrel{\scriptstyle \scriptstyle 2}{1}$ $\stackrel{\scriptstyle \scriptstyle 0}{3}$				White post 0 4 6
Main Coal Seam-	U	1 0				Grey metal, with post
Ft. In.						girdles 0 5 1
COAL 1 5						Blue metal 0 2 0
A white stone						Grey metal 0 4 9
band 0 5						Dark brown post 1 2 3
COAL 3 2						Grey metal 0 4 6 Dark brown post 0 4 5
	0	5 0				
701 7			7	5	5	Strong white post 3 0 0 Dark brown post 0 3 0
Black stone	0	1 8				White post 0 5 10
Thill stone	0	0 11				Blue metal 1 1 8
Blue metal	3	0 3				Grey metal 3 3 0
Post girdles, with	,	- H				17 4 2
metal partings Blue metal	1	1 7				Discontinued January
COM	0	$\begin{array}{ccc} 3 & 1 \\ 0 & 7 \end{array}$				17th, 1840, and re-
COAL		0 7	5	2	1	sumed by Mr. W.
Grey metal	1	0, 7	J	4	1	Coulson:—
Blue metal	0	4 8				Grey metal 1 0 4
Grey metal, with post	Ü	2 0				Black metal 0 1 4
girdles	0	4 8				COAL $0 \ 0 \ 8\frac{1}{2}$
White post	2	0 11				1 2 4½
Grey metal	0	2 10				Grey metal stone and post girdles 0 5 5
Dark grey post	3	1 2				6041
Blue metal	0	<b>2</b> 10				0 5 8½
Carried forward	8	<b>5</b> 8	95	0	5	Carried forward 149 4 3

\* Approximate sea level (Ordnance datum).

#### No. 2,280.—WINGATE GRANGE.—CONTINUED.

Brought forward Grey metal stone and post girdles 3 3 0	Brought forward Fs. Ft. In. Fs. Ft. In. 153 4 11 Soft grey metal 0 0 3½ Strong grey post 0 2 0
Harvey Seam— Ft. In.  COAL 3 1  Band 0 2  COAL 0 5	(Discontinued Sept. 14th, 1841.)
Carried forward 153 4 11	Total sunk and bored $154 1 2\frac{1}{2}$

### No. 2,281.—WINGATE GRANGE.

#### TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

An Account of the Boring in Wingate Pit, in the Low Main Staple, about threequarters of a mile North from the Shaft. April 12th, 1843.

M-4-1				Fs.	Ft.	Įņ.	D 14.6					Ft.	
Metal pipe	1	0	U				Brought forward	0	1	_	20	2	1
Grey metal, with post			_				Grey metal	2	2	6			
girdles	5		0				Grey post	0		10			
COAL	0	0	5				Grey metal	1	<b>2</b>	8			
	_			6	0	5	Grey post	0	3	2			
Black metal stone	0	0	4				Metal	0	5	10			
Grey metal stone, with							Grey post	0	5	10			
post girdles	1	5	9				Grey metal, with		_				
COAL	0	0	6				girdles	2	1	7			
	_			2	0	7	Grey post	2	ī	7			
Grey metal stone, with				_	•	•	Grey metal	õ	3	9			
post girdles	5	Ω	11				C	0	1	9			
1171 ·	ő		5					U	1	9			
0 1 1			10				Grey metal stone, with	4					
COL	1	2					girdles	4	2	8			
COAL	0	Z	<b>2</b>	_	_		Grey post	1	2 5	4			
				7	5	4	Grey metal stone	0		7			
Grey metal stone, with							COAL	0	0	8			
girdles	1		11							_	19	1	9
Grey post	0	1	10				Grey metal stone,						
Grey metal and metal							scared with coal	0	3	11			
stone, very dark the							COAL	0	0	4			
last 2 feet	2	0	5								0	4.	3
Ft. In.							Grey metal stone, with				•	-	•
COAL, good 1 7							post girdles	1	1	Λ			
Splint 0 6							1 0	i		2			
COAL 0 6									U	4			
0 0	0	2	7					^	4	10			
<del></del>	U	4	-	4	-	•	mixed with post		4				
Dl14 1			_	4	T	9	COAL	0	3	5	_	_	_
Black stone, scared	_		_								3		5
with coal	0	1	0				In grey metal				0	0	6
Carried forward	0	1	0	20	2	1	Total				46	1	ō
							•				_	_	-

#### No. 2,282.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in the Staple intended for the Upcast from the Harvey Seam to the Main Coal, about 25 yards from the bottom of the Lady Pit, Wingate Grange Colliery.

							•
D1 1 (-1			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Black metal	0	1	8				Brought forward 35 5 2
Thill stone	0	-	11				Black metal 0 1 0
Blue metal	3	0	3				Blue metal 2 0 0
Post girdles and metal	-						COAL—Hutton Seam 0 3 0
partings	1	1	7				2 4 0
Black metal	0	3	1				Thill stone 0 3 3
COAL	0	0	7	_			Grey metal 2 2 6
				5	<b>2</b>	1	COAL 0 0 3
Grey metal	1	1	7				3 0 0
Blue metal	0	4	8				Grey metal, with post
Grey metal and post							girdles 0 4 0
girdles	0	4	8				Grey post 0 4 0
White post	0	3	0				Grey metal 0 5 9
Grey metal stone	0	2	0				COAL 0 0 3
Dark grey post	3	4	0				2 2 0
Grey metal stone	0	1	6				Grey metal stone 3 4 0
Whiie post	2	4	6				Strong white post 2 0 0
Dark brown post	1	2	0				Blue metal 1 0 0
White post	2	2	0				COAL 0 0 6
Strong grey metal,							6 4 6
with post girdles	0	3	0				Blue metal 6 0 0
OOAL-Low Main							Black stone, scared
Seam	0	3	2				with coal 0 2 0
				15	0	1	Grey post 0 4 6
Black thill stone	0	0	8			_	COAL 0 0 3
White post	Õ	1	4				7 O S
Grey metal, with post		-	-				
girdles	2	3	0				Strong grey metal 0 4 0
COAL	ō	0	6				Strong white post 1 3 6
				2	5	6	Grey metal 0 1 0
Blue metal	0	1	0	_	Ü	•	Post girdles 0 0 6
Grey metal, with post	-	_					Blue metal 0 1 4
girdles post	2	3	0				Harvey Seam- Ft. In.
D1	2	0	ŏ				COAL 3 1
COAL	õ	ő	6				Band 0 2
COAL	U	U	U	4	4	6	COAL 0 5
Blue metal	0	5	0	-10	-12	U	0 3 8
	^	4	0				3 2 (
Grey metal	^	3	6				
Grey whin	- 1	3	0				
Grey metal :	~	2	6				
Grey whin		3	6				
Blue metal	_		_				
COAL	0	1	6	7	5	0	
				7	อ	U	
Carried fo	MITTO:	.d		35	5	2	Total 61 0 8
Carried 10	rwa!	ru		ออ	3	4	

### No. 2,283.—WINGATE, SOUTH.

#### TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

## Account of the Strata bored through in Mr. Fox's Property by the Owners of South Wingate Colliery. Begun 21st April, 1841.

Strong blue stony clay			In. 6	Fs.	Ft.	In.	Brought forward	0	4			
Loamy clay, with dry	0	^	c				Grey metal	U	1	5		
thick sandy partings		0	0				Soft white and grey post, with metal					
Strong blue stony clay Loamy clay and sandy		4	U				partings and water	5	2	4.1		
partings, with water	6	1	0				Strong grey post, with	U	Ü	<b>T</b> 2		
Strong brown clay	0		4				metal partings	1	1	31		
Strong brown city	U	·					Mild grey post, with	-	_	02		
				18	3	4	scary partings	0	4	$3\frac{1}{2}$		
Soft marly limestone	<b>2</b>	0	4				Grey metal, with post			-2		
Soft dry white lime-							girdles	1	1	11		
stone	<b>3</b> 0	<b>2</b>	7				Red metal	0	1	6		
Strong yellow lime-							Blue metal, with scares					
stone, with water				-			of red	0		5		
all through	37	5	0				Blue metal	0	2	0		
Strong blue limestone,							Grey post			$1\frac{1}{2}$		
thin pannels from							Grey and brown metal			$8\frac{\Gamma}{2}$		
2 to 8 inches, with	_		0				Black metal			8		
soft partings	0	4.	6				Soft dark grey metal	0	0	11		
Strong blue sandy							COAL	0	0	$9\frac{1}{2}$		
limestone from 2 to										12	2	11
5 feet thick, with	4	_	-				Soft black metal	0	Λ	4		
water Soft yellow limestone	4	9	1					U	U	4		
Strong yellow lime-	U	4	U				Soft silvery post, with grey and red metal					
	1	9	$4\frac{1}{2}$				1 0 %	1	n	$2\frac{1}{2}$		
Blue limestone	1 1	1	7				Strong red post	0	2	4		
mue minescone	1	_	•				Soft grey post, with	U	4	-3e		
-			- 7	8	5 1	$1\frac{1}{2}$	red metal partings	1	0	$3\frac{1}{2}$		
Grey metal	0	0	$6\frac{1}{2}$				red metar partings	_	Ü	-	_	_
Grey post	Ō		$11\frac{1}{2}$						_	2	3	2
Carried forward	0	4	6	97	3	$3\frac{1}{2}$	Total			112	3 4	11

### No. 2,284.—WINGATE, SOUTH.

#### TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through from the bottom of the Sump, South Wingate Colliery. Commenced November 26th, 1844; finished February 21st, 1845.

Grey metal COAL	Fs 1 0	-			Ft	. In	Brought forward 7 5 6 9 3	In. 7
	_			1	1	. 6	Blue stone 0 0 3 COAL 0 0 5	
Thill stone	0	$\frac{2}{2}$	0				8 0	2
Grey metal Black metal	$\frac{0}{2}$	0	2 6				Thill stone 0 1 0	
Grey metal White post girdle Blue metal, with iron-	$\frac{1}{0}$	<b>4</b> <b>0</b>	3 9				Grey metal 2 0 0 Strong white post, with dark shivery	
stone girdle	1	0	4 3				partings 5 2 3  Dark blue stone, with	
COAL	0			5	4	3	balls of ironstone 1 3 3 White post, with blue metal partings and	
Dark grey metal, with post girdles	2	3	6				strong white post 2 2 0 Strong grey metal	
COAL		0	4				stone 0 1 0 Dark blue metal 1 1 0	
			_	2	3	10	Black stone 0 1 0	
Grey metal White post girdle	1	0	3				COAL 0 0 7	1
Grey metal stone, with post girdle Whin and thin grey	3	_	0					1
metal partings, white and grey post, with balls of brown	3	3	0					
Carried forward	7	5	6	9	3	7	Total 39 3 1	0

### No. 2,285.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. , Long.

Account of Boring in the Third Place in Garesfield Ground, East of the Lane, in the Winlaton Lordship. November 28th, 1765.

WT							
0.11 1 1	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and strong grey			0				Brought forward 22 1 2
clay	3	4	6				Blue grey metal 0 1 10
Sand	0	1	2				COAL, with
Strong clay		1	0				hard brass In. Ft.
Brown and grey stone	0	1	8				lumps 0 4
Brown and grey ram-							COAL 3 3
ble, mixed with	_		_				Grey metal 0 7
strong clay	1	4					COAL, foul 0 5
Black metal	0		6				0 4 7
COAL	0	<b>2</b>	1				1 0 5
				6	3	7	Grey metal, mixed
Grey metal	0	3	0				with coal 0 0 6
Brown thready post,							COAL, foul 0 0 5
and set away the							0 0 11
water	0	<b>2</b>	0				Blue metal 0 2 8
Grey metal stone	1	3	5				Black slate or jet, with
COAL	0	0	10				mixture of coal 0 1 6
				<b>2</b>	3	3	Blue grey metal 0 1 0
Grey metal	0	3	0				Black slate or jet, with
Brown and grey post,							mixture of coal 0 2 6
with scamy part-							Grey metal and metal
ings	3	5	0				stone 3 5 0
COĂL	0	1	7				White girdle 0 0 6
				4	3	7	Grey metal stone 0 4 9
Grey metal	1	3	0				COAL 0 0 7
Grey post	0	4	6				
COAL	0	0	11				Blue grey metal stone 0 3 6
				<b>2</b>	2	5	
Grey metal stone	3	2	9				COAL 1 3
Strong grey and brown							Grey metal 0 2
post	1	0	0				COAL 1 10
COAL	0	ō					0 3 3
				4.	3	3	
Grey metal stone and				_		_	Grey metal 0 1 6
girdles or lumps	1	0	0				Grey metai U 1 6
Ft. In.	_	-	-				
COAL 2 6							
Hard brass lump							
or slate 0 1							
COAL 0 6							
	0	3	1				
				1	3	1	
				_			
Carried for	waı	rd		22	1	2	Total 30 5 3
5322164 207					_	-	10001 30 3 3
							•

#### No. 2,286.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Bored in the Third Place, about 160 yards North from the Second.

Approximate surface level

feet above sea (Ordnance datum).

	F7-	1774	т	T7-	T74	T	' 77			~-		_
Soil	0			rs.	гt.	In.	Brought forward	s. Ft				
							Blue and brown scamy	2 0	2	4	U	4
Strong stony clay Sand and gravel	ň	3	ň				metal	0 6				
Strong stony clay							Brown and white post					
Clay and gravel,		J	U				Brown sandy stone					
mixed with coal	Λ	2	Λ				COAL					
Brown clay							OOAL	0 1	. 0			
Brown clay	U	3	-30				-			3	3	4
				4	0	4	Grev metal	0 9	8			
Clay	0	5	8				Grey metal	0 9	8			
Clay Sandy brown clay	1	3	6							1	1	4
The state of the s			·				In grey thill stone			ō	ō	8
							,			_		
Carried forward	2	3	2	4	0	4	Total			8	5	8
										=		_

Note.—Same as No. 1,978.

#### No. 2,287.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of a Boring from the bottom of a Little Pit, Stone Coal, by Thomas Checseman and Partners, at 20s. per fathom. April 8th, 1828.

					*
Box	Fs. Ft		Fs.	Ft. In.	Brought forward 3 4 9 6 0 10
		-			
Blue stone	1 4				
COAL-5/4 Seam	0 3	8			Parting 0 0 1
			3	4 8	Strong white post 0 2 6
Thill	0 3	6			Whin 0 1 2
Blue stone	0 3	2			Blue stone 0 2 11
Grey post parting					Whin 0 1 3
Blue stone	$\begin{array}{ccc} 0 & 1 \\ 0 & 2 \end{array}$	3			Blue stone and whin
1171 *	0 0				girdles 2 4 3
		_			
Blue stone	0 1				Strong white post,
COAL—3/4 Seam	0 2	7			with whin 2 5 1
			2	<b>2 2</b>	Soft white post 0 3 0
Thill	0 0	6			Blue stone 0 1 0
Blue stone	0 2	2		-	Strong white post 0 4 11
Parting					Blue stone 0 0 6
TX71 */		6			Left off in strong
	0 1	U			white post 0 5 2
Blue stone and whin		_			White post 0 5 2 13 2 7
girdles	3 0	6			15 Z /
Carried forward	3 4	9	6	0 10	Total 19 3 5

### No. 2,288.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Broomy Hill Close, within 50 yards of the Old Road leading to Winlaton. July 10th, ——.

Soil and clay Grey metal	Fs. 0 0	Ft. 2 3	In. 6 0	Fs.	Ft.	In.	Brought forward 18 4 8 9 0 0 Whin 0 1 7
COAL, soft, with							White and brown post 0 3 1
water	1	0	0				Grey metal 0 4 0
				1	5	6	Grey post 0 2 4
Soft grey metal	0	5	0				White and brown post,
COAL	0	0	9	^			with water 0 5 4
Grey thill	0	1	_3	0	5	9	Bluegrey metal girdles 0 5 6 COAL—Beaumont or
Grey stone, with	-	Λ	0				Towneley Seam 0 4 4
girdles	$\frac{1}{0}$	0	6				Grey metal 0 2 4
COAL				1	1	9	COAL 0 2 4
Thill and water	0	1	6	-	-	Ü	0 3 10
Grey stone	4		10				Grey thill 0 0 6
COAL	0	1	8				Blue stone 0 3 0
				4	5	0	COAL, soft, with
Grey thill and water	0	1	6				much water 0 1 4
Grey stone	<b>2</b>	3	0				0 4 10
White and brown eash	0	1	6				Black stone, with
Brown post, set away		_					girdles 0 1 0
water	4	5	0				COAL 0 0 9
White and brown post	1	0 4	0				——— 0 1 9
Blue grey metal	0	4	0				Grey thill 0 0 6 Strong grey stone 0 3 0
Blue grey metal, with	0	4	0				604
Grey stone girdle, with	U	-1	U				0 3 10
water	2	3	6				Grey thill 0 0 6
Soft grey metal, with		•	•				White post and much
girdle	1	2	0				water 0 1 0
Grey stone, with water	0	5	0				Whin 0 1 4
Soft grey metal	1	0	0				White post 0 2 8
Grey post, with part-							Whin 0 0 7
ings	1	3	0				Grey metal girdle 1 1 4
White post, with water	0	5	0				Grey post girdle 0 3 8
Whin	0	0					Whin 0 0 10
White post, with water	0	2	6				2 5 11
Carried forward	18	4	8	9	0	0	Total <u>37 3 0</u>

#### No. 2,289.—WITTON GILBERT.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48′ 2", Long. 1° 37′ 10".

Account of Boring at Sleight's House, near Witton Gilbert. Begun October 25th, 1838.

Approximate surface level 375 feet above sea (Ordnance datum).

Soil 0								
Yellow clay 0	0.0				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brown stony clay   2   2   0   0   0   0   0   0   0   0								Brought forward 12 4 1 24 5
Gravel       0   1   6   Sand       0   2   0   0								
Sand       0   2   0     Brown stony clay     0   5   0     Sand, with water     0   0   0     Dark metal, with coal     0   2   0     Dark metal stone     0   0   0     Brown post, with metal partings     0   0   0     Brown post, with water   0   2   0     Brown post, with water   0   2   0     Brown post, with metal partings     0   0   0     Brown post, with metal partings     0   0   0     Brown stony clay     0   1   3     Brown stony clay     1   3   6     Grey metal     0   2   0     Brown stony clay     1   3   6     Grey metal     0   2   0     Brown stony clay     1   3   6     Grey metal     0   0   9     COAL     0   1   3     Grey metal     0   0   5     Grey metal     0   0   5     Grey metal     0   0   6     Grey metal     0   0   0     Grey metal     0   0     Grey metal     0   0     Grey metal     0   0     Grey metal     0	Brown stony clay	2	2					COAL 0 0 3
Sand 0 2 0   Brown stony clay 0 5 0   Sand, with water 0 1 0 0   Sand 0 0 0 9   Brown stony clay 3 0 0 11   Leafy clay 0 2 5   Brown stony clay 3 0 11   Leafy clay 0 2 2 0   Brown stony clay 1 3 6   COAL 0 0 1 3   Grey metal 0 0 2 0   Brown stony clay 1 3 6   Grey metal 0 0 2 0   Brown stony clay 1 3 6   Grey metal 0 0 1 0   Grey post 0 0 3 0   Grey metal stone 0 1 3   Grey metal stone 0 1 3   Grey metal stone 0 1 3   Grey metal stone 0 0 5 0   Grey metal stone 0 1 0   Grey metal stone 0 1 0   Grey metal stone 1 4 6   Whin 0 0 0 4   Grey metal stone 1 1 6   Grey metal stone 0 1 6   Grey metal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Gravel	0	1	6				12 5
Strong grey post		0	2	0				
Sand, with water     0   1   0				0				
Brown stony clay     3   0   0   0   0   0   0   0   0		-	_	-				
Sand       0   0   9			_	-				
Brown stony clay     3   0   11			-					
Leafy clay     0   2   5   5   5   5   5   5   5   5   5	Sand							
Brown stony clay     4   0   0   0	Brown stony clay	3	0	11				
Brown stony clay     4   0   0   0	Leafy clay	0	- 2	5				Seam 0 2 10
Coamy sand		4	0	0				2 4 5
Brown stony clay   1   3   6			2	Ō				
Grey metal 0 2 0 0								
Dark metal       0   2   0   0   0   0   0   0   0   0	Brown stony clay	1	J	U	1 17	^	7	
Dark metal, with coal   0   0   9   0   0   0   0   0   0   0	~			_	17	U	1	
Grey metal 0 1 3		0	2					Dark metal, scared
Grey metal 0 2 0 0	Dark metal, with coal	0	0	9				with coal 0 0 6
Grey metal 0 2 0 0 8	COAL	0	1	3				Grey metal stone, with
Strong grey post					0	4	0	
Mild white post	Grav matal	Λ	9	Λ	Ÿ	-	•	
Dark grey metal, seared with coal 0 0 8								
Strong white post 0 2 3   Grey metal stone 0 5 0   Grey metal stone 0 1 6   Grey metal 0 1 6   Grey metal stone 0 1 0 1   Grey metal stone 0 1 0 0 5 0   Grey metal stone 0 1 1 6   Grey metal stone 0 1 1 1   Grey metal stone 0 1 1 1   Grey metal stone 0 1 1 1   Grey metal 0 1 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey metal 0 1 1   Grey meta		Z	1.	0				
Grey metal stone     0   5   0   0   0   0   0   0   0   0		_	_	_				
Brown post, with metal partings 3 2 0 Grey metal 0 1 6 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 8 Grey metal stone 0 1 0 1	scared with coal	0	0	8				Strong white post 0 2 3
Darkings       3   2   0   0   0   0   0   0   0   0   0	Grey metal stone	0	5	0				Grey metal stone 1 4 6
Grey metal stone	Brown post, with metal							Whin 0 0 4
Grey metal 0 1 6 COAL 0 0 7 Grey metal 0 1 3 Brown post, with water 0 2 3 Grey post, with water 0 2 5 Dark grey metal 1 0 1 Dark metal, scared with coal 0 1 0 Strong grey post 1 0 0 Blue metal stone, with grey metal partiugs 4 0 7 Strong grey post 0 1 6 Grey metal stone 1 1 6 Black stone 0 2 6 Grey metal stone 1 1 6 Grey metal stone 0 1 6 Grey metal 0 5 0 Grey post, with whin girdle 0 1 6 Grey metal stone 0 3 0 Strong grey post, with metal partings 1 5 6  Ft. In.  COAL, coarse 0 11 COAL, foul, mixed with metal 0 9  COAL, foul, 0 9  COAL, foul, 0 0 1 8  COAL, foul, 0 0 0 6  Grey metal 0 0 0 6  Strong grey post 0 1 6 Grey metal stone, with strong post girdles 0 3 6 Grey metal 0 5 0 Grey metal 0 2 0 COAL, foul, 0 0 4  Grey metal 0 3 0  Strong grey post, with metal partings 1 5 6  Grey metal 0 3 0  COAL, foul, 0 0 4  Grey metal 0 3 0  COAL, foul 0 0 4  Grey metal 0 3 0  COAL, foul 0 0 3 0  COAL, foul 0 0 3 0		3	2	0				1
COAL       0   0   7   7   1   5   COAL,   coarse   0   11   COAL,   foul,   mixed   with   metal     0   9   0   5   0   0   0   0   0   0   0   0	~	-						
Grey metal 0 1 3	00'11							
Grey metal	COAL	U	U			-	-	
Brown post, with water   0   2   3	~	_			7	1	Э	
Grey post, with water   0   2   5   5   5   5   5   5   5   5   5	Grey metal	0						
Dark grey metal          1         0         1           Dark metal, scared with coal          0         1 = 0         COAL, foul          0         6         4           Strong grey post          1         0         6         COAL, foul          0         0         6           Blue metal stone, with grey metal partings         4         0         7         COAL, foul          0         1         6           Coy metal stone in the strong grey post in the grey metal in the strong post girdles in the strong post girdles in the strong grey post in the grey post in the strong grey post in the strong grey post in the grey post in the strong grey post in the strong grey post in the grey metal in the grey post in	Brown post, with water	0	<b>2</b>	3				metal 0 9
Dark grey metal     1   0   1     0   1     0   1     0   1   0   1   0   1   0   1   0   1   0   1   0   1   0   1   0   0	Grev post, with water	0	$^{2}$	5				0 1 8
Dark metal, scared with coal 0 1 0 0		1	0	- 1				
with coal        0       1       0         Strong grey post        1       0       0       6         Blue metal stone, with grey metal partings 4       0       7       6       COAL, foul       0       0       0       4         Strong grey post       0       1       6       6       COAL, foul       0       0       4         Strong grey post stone       0       2       6		_	·	-				
Strong grey post 1 0 0   Grey metal stone, with grey metal partings 4 0 7   Grey metal stone, with grey metal stone 1 1 6   Grey metal stone 1 1 6   Grey metal stone 0 2 6   Grey metal 0 5 0   Grey metal 0 5 0   Grey metal 0 1 6   Grey metal 0 2 0   Grey metal 0 2 0   Grey metal 0 2 0   Grey metal stone 0 1 6   Grey metal 0 2 0   Grey metal stone 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 0   Grey metal 0 3 1   Grey metal 0 3 0   Grey metal	/	٥	1-	Δ				
Strong grey post 0 1 6   Grey metal stone, with strong post girdles 0 1 6   Grey metal stone 0 1 6   Grey metal 0 1 6   Grey metal 0 1 6   Grey metal 0 1 6   Grey metal 0 1 6   Grey metal 0 2 6   Strong grey post 0 5 0   Grey metal 0 2 0   Grey metal stone 0 1 6   Grey metal 0 2 0   Grey metal stone 0 3 0   Grey metal 0 0 4   Grey metal 0 3 0   Grey metal 0 3 1 0   Grey metal 0 3 1 0   Grey metal 0 3 1 0   Grey metal 0 3 1 0   Grey metal 0 3 1 0   Grey metal 0 3 1 1   Grey metal 0 1 1   Grey metal 0 3 1 0   Grey metal 0 1 1   Grey metal 0 3 1 0   Grey metal 0 3 1 1   Grey metal 0 3 1 0   Grey metal 0 3 1 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal 0 3 1   Grey metal			-	-				
grey metal partings         4         0         7           Strong grey post         0         1         6           Grey metal stone         1         1         6           Black stone         0         2         6           Grey metal         0         5         0           Grey metal         0         5         0           Grey metal         0         0         3           Grey metal stone, with         0         3         6           Strong grey post         0         5         0           Grey metal         0         0         2         0           COAL, foul         0         0         4           Grey metal         0         0         3           Grey metal         0         0         3           Grey metal         0         0         3           Grey metal         0         0         3 <t< td=""><td></td><td>T</td><td>U</td><td>U</td><td></td><td></td><td></td><td></td></t<>		T	U	U				
Strong grey post          0         1         6           Grey metal stone          1         1         6           Black stone          0         2         6           Grey metal          0         5         0           Grey metal          0         5         0           Grey post, with whin girdle          0         1         6           Grey metal stone          0         2         0           COAL, foul          0         0         4           Grey metal          0         3         0           Strong grey post          0         0         4           Grey metal          0         0         4           Grey metal          0         3         0           Strong grey post          0         0         4           Grey metal          0         3         0           Grey metal          0         3         0           COAL, foul          0         1         1	Blue metal stone, with							Grey metal 0 1 6
Strong grey post 0 1 6   Grey metal stone 1 1 6   Grey metal stone 0 2 6   Grey metal 0 5 0   Grey metal 0 5 0   Grey post, with whin girdle 0 1 6   Grey metal stone 0 3 0   Strong grey post, with metal partings 1 5 6   Grey metal 0 3 0   Grey metal 0 3 1   Grey metal 0 3	grey metal partings	4	0	7				COAL, foul 0 0 4
Grey metal stone          1         1         6           Black stone          0         2         6           Grey metal          0         5         0           Grey metal          0         5         0           Grey most          0         5         0           Grey most          0         5         0           Grey metal           0         2         0           COAL, foul          0         3         0           Strong grey post, with          0         3         0           Grey metal           0         3         0           COAL, foul          0         3         0           COAL, foul          0         1         4		0	1	6				
Black stone 0       2       6         Grey metal 0       5       0         Grey post, with whin girdle 0       1       6         Grey metal stone 0       3       0         Strong grey post 0       5       0         Grey metal 0       2       0         Strong grey post 0       5       0         Grey metal 0       0       4         Grey metal 0       3       0         Grey metal 0       3       0         COAL, foul 0       1       1	4							Grey metal stone, with
Grey metal 0 5 0       Strong grey post 0 5 0         Grey post, with whin girdle 0 1 6       Grey metal 0 2 0         Grey metal stone 0 3 0       COAL, foul 0 3 0         Strong grey post 0 5 0       Grey metal 0 2 0         Grey metal stone 0 3 0       Grey metal 0 3 0         Grey metal partings 1 5 6       COAL, foul 0 1 1								
Grey post, with whin girdle        0       1       6       6       COAL, foul        0       2       0         Grey metal stone        0       3       0       0       4       4       0       4       0       4       0       3       0       0       4       0       3       0       0       3       0       0       4       0       3       0       0       4       0       3       0       0       4       0       3       0       0       4       0       3       0       0       4       0       1       1       4       0       0       4       0       1       1       4       0       0       4       0       0       4       0       0       4       0       0       4       0       0       4       0       0       4       0       0       4       0       0       4       0       0       4       0 <td< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>1</td></td<>		-						1
girdle        0       1       6         Grey metal stone        0       3       0         Strong grey post, with metal partings        1       5       6         COAL, foul        0       3       0         COAL, foul        0       1       1		U	b	U				
Grey metal stone 0 3 0 Strong grey post, with	Grey post, with whin							
Strong grey post, with metal partings 1 5 6         Grey metal 0 3 0           COAL, foul 0 1 1	girdle	0	1	6				
Strong grey post, with metal partings 1 5 6         Grey metal 0 3 0           COAL, foul 0 1 1	Grey metal stone	0	3	0				1 4 10
metal partings 1 5 6 COAL, foul 0 1 1		-						Grev metal 0 3 0
		1	5	6				I District the second s
II A	metar partings		U	U				——— 0 4 ]
								0 4
Control of the contro	G . 14	10		_	~		_	Comind formand 50 5 6
Carried forward 12 4 1 24 5 6 Carried forward 50 5	Carried forward	12	4	1	24	b	Ò	Carried forward 50 5 8

#### No. 2,289.—WITTON GILBERT.—CONTINUED.

Brought forward		Ft.	In.		Ft. 5		Fs. Ft. In. Fs. Ft. In. Brought forward 6 1 4 50 5 3
Grey metal stone, with post girdles		2	0				Hutton Seam— Ft. In. COAL 2 4
Strong grey post, with water Strong grey metal	2	0	6				Brassy metal   band 0 4   COAL 2 6
stone and post girdle Strong white post, with	0	4	0				— 0 5 2
water	0	3	0				7 0 6
Strong grey metal stone and post girdle	1	3	10				Brown metal 0 0 8
Carried forward	6	1	4	50	5	3	Total <u>58 0 5</u>

### No. 2,290.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Account of the Boring in the Stone Horse Park, to the Eastward from Witton Castle. 1756.

Soil and gravelly clay Stony clay	1	5	0		Ft.		Brought forward Fs. Ft. In. Fs. Ft. In. Grey scamy metal,
Grey and brown rambly post Grey post			0	3	0	0	with some small scares of coal 0 3 0 Grey metal stone 3 0 0 COAL, foul 0 1 0
COAL, foul 0 4 Grey scamy metal 0 2 COAL, soft foul, with water 1 6	0	2	0				Blue metal, mixed with coal 0 0 6 Grey and brown scamy metal, with post girdles and water 3 2 0
Soft dun seamy metal Brown and grey metal stone COAL, foul	0	1	0 6 0	3	3	6	Blue metal, scared with coal 0 1 0  COAL 0 5 1  In grey metal 0 2 0
Carried for	war	d		7	5	6	Total <u>16 2 1</u>

#### No. 2,291.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Second Place bored near Witton Castle, about 200 yards to the North-east from the First. November 19th, 1756.

Approximate surface level feet above sea (Ordnance datum).

Soil and stony clay Gravel, with water Soft stony clay Leafy clay Sand, with a siping of water	1 0 4	4 1 0 3	6 0 0	Fs. 7	Ft.	In. 0	Brought forward 1 4 4 14 2 5  COAL, mixed with black Ft. In. slaty metal 0 9  COAL, but soft near the bottom 1 4
Brown ramble post, with an open part- ing and set away the water	1	1	6				Blue metal 0 0 7 Grey metal 0 4 0
Blue and grey scamy metal, with girdles and catheads Blue and black metal	5 0	$\frac{3}{1}$	0 6				Grey and blue metal stone 0 0 10
Grey and blue metal Black stone, with girdles or lumps	1	1			0	3	Grey post, with water 1 2 0 In strong white post, mixed with whin 0 0 3
Carried forward	1	4	4	14	2	3	Total <u>18 5</u>

#### No. 2,292.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Third Place bored near Witton Castle, about 250 yards to the South-west from the First. December 16th, 1756.

Soil and stony clay Fs. Ft. In. 1	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 3 4 8
Soft broken post or				Soft grey metal 0 1 0 Grey metal stone, with
gravel, with water 0 3 6	3	0	6	post girdles 3 0 0
Brown post, with small scamy partings 0 2 0				In grey and blue metal, with black scames 1 3 6
Soft brown rambly           stone          0         1         6           COAL, soft          0         0         8				4 4 6
COAL, soft 0 0 8	0	4	2	
Carried forward	3	4	8	Total 8 3 2

### No. 2,293.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

Fourth Place bored near Witton Castle, about 100 yards to the South from the Third Place. March 21st, 1757.

Soil and clay		Ft.		Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 12	Ft.	
Broken post, with		1	0				Soft grey metal Grey and blue metal	0	4	6		_	
water Soft grey and blue	1	1	U				and metal stone,						
metal Soft black metal.	0	1	0				with post girdles						
Soft black metal, mixed with coal	0	1	0				and brown scamy	2	0	6			
				2	0	0	Black metal	_	0	0			
Q					Ū		Grey metal stone COAL, foul		4 1	6 8			
Grey metal, with girdles	0	3	6				100000	ŭ	_	Ŭ		,,	
Black metal		-	6								4	Đ	•
COAL, soft foul	0	1	0				Soft black metal Grey scamy metal,	0	0	2			
				0	5	0	with girdles or						
Grey, brown, and blue							lumps	1	_	0			
metal Grey metal, scared	2	0	0				COAL	0	U	11			
with coal	0	1	0					_		_	1	5	
Grey and brown me- tal, with girdles or							Grey scamy metal		5	6			
lumps	5	2					Strong white post Blue metal, with post	0	3	6			
Black slaty metal	0	3	0				girdles and water	1					
COAL, with a small piece of black slate							COAL, foul	0	1	2			
at the bottom	0	1	3							-	5	3	
				8	1	9	Blue metal	0	1	6			
Grey metal, with gir-							COAL, with						
dles or lumps	0	3	0				some small black danty Ft. In.						
COAL 3 6							scames 1 9						
Black danty							COAL, with water 3 5						
$\begin{array}{ccccc} \operatorname{metal} & \dots & 0 & 1 \\ COAL & \dots & 0 & 2 \end{array}$								0	5	2			
0 2	0	3	9							_	1	0	
	_			1	0	9	In grey metal				0	2	(
													_
Carried for	wor	.d		12	1	6	Total				25	5	10

### No. 2,294.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long

Account of Strata sunk through below the Main Coal Seam in the Corving Pit, Witton Park Colliery. 1832.

Approximate surface level

feet above sea (Ordnance datum).

Sill, with iron balls			In.	Fs.	Ft.	In		Fs. Ft. In. Fs. Ft	
							- 1	Brought forward 8 (	Z
Grey metal, with water	0	1	0				-	Sill stone 1 0 0	
White and brown post	<b>2</b>	2	0				- 1	Blue metal, with water 1 3 0	
Blue metal, with iron								COAL 0 0 8	
girdles	<b>2</b>	0	6					<del></del> 2 3	8
Post, with blue metal							- 1	Grey and blue metal 1 2 0	
partings and water	2	0	0					COAL 0 0 10	
Blue metal	0	3	6						10
COAL	0	0	2				- 1	Grey post 0 5	0
				8	0	) 2	:		
							.	Total bored below the	
Carried fo	rwa	rd		8	0	2	:	Main Coal Seam 12 5	8

#### No. 2,295.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Sunk at Witton Park, about 200 yards North of the William Pit.

Approximate surface level feet above sea (Ordnance datum).

Outset and walling $\begin{bmatrix} Fs. Ft. In. Fs. Ft. In. \\ 4 & 2 & 6 \\ 6 \text{ Grey metal } & 0 & 2 & 5 \\ 0 & 2 & 5 \\ \end{bmatrix}$ COAL $\begin{bmatrix} Fs. Ft. In. Fs. Ft. In. \\ 0 & 2 & 5 \\ \hline COAL & 0 & 8\frac{1}{2} \\ \hline COAL & 2 & 6\frac{1}{2} \\ \hline Dark grey metal, with large nodules & 1 & 1 & 1 & 8 \\ \hline COAL & 0 & 1 & 8\frac{1}{2} \\ \hline Timber & & 1 & 1 & 10\frac{1}{2} \\ \hline Grey metal & & 1 & 1 & 1 & 1 \\ \hline Timber & & 1 & 1 & 10\frac{1}{2} \\ \hline Grey metal & & 1 & 3 & 8 \\ \hline Seggar clay & & 0 & 1 & 4 \\ \hline Seggar clay with nodules & & 0 & 1 & 4 \\ \hline Seggar clay with nodules & & 0 & 1 & 4 \\ \hline Segmings & & 0 & 1 & 4 \\ \hline Segmings & & 0 & 1 & 4 \\ \hline Shown post, with metal partings & & 1 & 3 & 8 \\ \hline Segmings & & 1 & 3 & 8 \\ \hline Segmings & & 0 & 1 & 4 \\ \hline Shown post, with metal partings & & 1 & 3 & 8 \\ \hline Segmings &$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL 0 8½ Grey metal band 0 5½ COAL 2 6½
COAL 0 8½ Grey metal band 0 5½ COAL 2 6½  — 0 3 8½ — 2 7½  Dark grey metal, with large nodules 1 1 8 COAL 0 1 8½ Timber 1 1 10½ Grey metal 1 1 10½ Grey metal 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
COAL        2       6½         —       0       3       8½         —       0       3       8½         Dark grey metal, with large nodules        1       1       8         COAL        0       1       8½         Timber        1       1       10½       1       3       4½         Timber        1       1       10½       1       3       4½       3       3       6         Timber        1       1       10½       1       4       3       4
Dark grey metal, with large nodules 1 1 1 8   Seggar clay, with nodules 1 1 10½   Srey metal 1 1 1 1 1    Timber 1 1 1 10½   Srey metal 1 1 3 8    Grey metal 1 1 1 1 1    Grey metal 1 1 1 1 1    Dark grey metal, with setal partings 1 3 8    partings 1 4 9    Grey and brown post 3 0 0 0    COAL 0 1 6    Seggar clay, with nodules 0 1 4    Brown post, with metal partings 1 3 8
Dark grey metal, with large nodules 1 1 8 COAL 0 1 8½  Timber 1 1 10½  Grey metal 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dark grey metal, with large nodules       1       1       1       8       1       1       1       6       1       6       1       6       6       1       6       1       6       6       1       6       1       6       1
COAL        0       1 $8\frac{1}{2}$ Seggar clay, with nodules        0       1       4         Timber        1       1 $10\frac{1}{2}$ Brown post, with metal partings        1       3       8
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Timber 1 1 $10\frac{1}{2}$ Brown post, with metal partings 1 3 8
Grey metal 1 1 1 partings 1 3 8
COAL Red of redules 0 0 3
COAL 0 0 3½ Bed of nodules 0 0 3  ————————————————————————————————
2 0 0 10
diey post, with grey
metal partings 1 2 10
Whin, ironstone 0 2 2 Grey metal, with no-
Grey post 1 3 0 dules of ironstone 2 5 7
Grey metal, with no-
dules of ironstone 1 3 7 Grey metal, with post
Black metal 0 3 2 girdles 1 1 11
COAL 0 0 9 Bed of nodules 0 0 2
5 3 6 COAL - Main Coal
0 5 0
5 1 10
0 1 1
0 2 8
Comical forward 15 3 5 Total 29 3 11
Carried forward 15 3 5 Total 29 3 11
Y

### No. 2,296.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

An Account of Borings made at Witton Park Colliery, by Sir William Clayton, Bart. Commenced August 1st, 1834.

										•			
Old wit apple to the	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward				Fs.		
Old pit sunk to the				91	9	0	Brought forward	1	0	9	<b>52</b>	3	1
Brockwell Seam	_	0	^	31	2	0	Blue post, with whin						
Rubbish	0	2	0				girdles, metal part-			_			
Thill, with iron balls	0	5	9				ings, and water	3	3	0			
Dark grey metal	0	2	0				Blue metal, with grey						
White post, with part-	_	_					girdles	$^{2}$	2	9			
ings	1	0	3				Strong grey metal, with						
Brown and grey metal,							blue metal partings	0	3	7			
with iron balls	2	3	6				Blue metal	0	2	3			
Grey post, with part-							Black metal	0	0	3			
ings	0	4	0				COAL, with 3 inches						
Grey metal, with post							of splint in middle	0	1	8			
girdles	1	3	9				or spinio in middle				8	2	3
D 1	ō	ĭ	5				Grey thill stone	0	2	7	U	~	·
A A A I	ŏ	ō	4					U	4	•			
COAL	·	U	4	-	-	^	Blue metal, with iron	^		_			
T : 1.44-1	_		_	7	5	0	balls	0	3	5			
Light metal	0	5	2				Blue metal, with grey	_	_	_			
Dark metal, with iron	_	_					post girdles	3	1	6			
balls and water	<b>2</b>	1	0				Shivery white post	0	3	11			
Grey metal, with post							Blue metal, with grey						
girdles and water	0	5	8				girdles and water	2	1	8			
Dark metal stone	0	1	9				Dark metal	Ò	1	6			
COAL, mixed with							Mild white post	0	3	3			
stone	0	0	6				COAL, with water	0	0	7			
				4	2	1				·	8	0	5
Dark metal	0	3	0	_	_	-	Grey metal, with post				J	•	٠
COAL	ŏ	í	5					0	5	7			
00AL	v		U	0	4	5	D / 1 1'	_		1			
Guar most	_	4	11	U	4	Ð	D1	0	1	_			
Grey post	0	4	11				Blue metal	1	0	9			
White post, with metal	-	-	_				Dark metal	0	0	7			
partings and water	1	1	2				Whin stone	0	1	2			
Blue metal	0		10				White post	0	1	6			
Grey post	0	1	1				Shivery post	1	0	1			
Blue metal	0	<b>2</b>	8				Blue metal, with iron-						
Black metal, with							stone	2	0	3			
brown girdles	0	3	2				Shivery post	2	0	7			
Strong grey metal stone	1	3	5				White post, with water	10	1	3			
Black metal	0	0	4				Blue metal and grey		_	_			
Grey metal, with post							whin girdles	2	1	11			
girdles	0	3	3				Grey bastard whin	_	-				
White post, with metal	Ü	U	o					4	2	0			
	1	5	6										
	1	1					Blue metal	0	1	6			
Black metal	0	T	0				Black and grey metal	1	0	5			
Mixture of slate and	_	_					Grey whin girdles	0	0	3			
coal	0	0	4				Blue metal	0	1	5			
Black metal	0	1	3				Grey whin girdles	0	0	9			
COAL	0	1	8				Mild white post	11	4	9			
				8	1	7	Hard white post, with						
Thill stone	0	1	10				blue metal partings	1	0	0			
Blue metal, with white							Blue and grey metal,	_	-	-			
post girdles	0	4	11				with girdles	0	5	11			
							Situates						
Carried forward	1	0	9	<b>52</b>	3	1	Carried forward	40	1	9	68	5	9
	_	-	•	_	Ŭ	-	. Carried for ward	<b>T</b> U	-	0	00	U	

### No. 2,296.—WITTON PARK.—CONTINUED.

	-					
Brought forward 40						Fs. Ft. In. Fs. Ft. In Brought forward 57 5 10 68 5 9
Blue metal, with thin	_	U	00		v	
bands of iron 1	2	9				
	J	2				Mild white post 0 2 7
Whin and grey post						Strong white post 0 3 8
girdles, with blue						Light coloured metal 0 1 0
metal partings and						Strong blue metal 1 3 0
water 3	2	0				Dark metal, mixed
Scamy white post, with						with foul scary coal 0 0 6
grey metal partings 0	5	9				
Blue metal, with thin						Grey whin 0 2 4
girdles 2	0	1				White post, scared
Hard white post gir-	-					with metal 0 0 8
dles, with scamy grey						Hard white post girdles 0 1 7
	5	9				White post, scared
		8				with metal 0 0 5
	v	0				
Shivery grey and white	J	_				Hard bastard whin, with
post 0	5	6				blue metal partings 0 2 11
Blue and grey metal,						White post, mixed with
with bastard whin						whin, with water 3 5 1
girdles 4	0	0				Dark metal 0 1 3
Hard white post, with						Blue metal, with iron
water 1	2	11				bands and scared
	0					with coal 1 1 0
Blue metal, with balls	Ŭ	•				6 3 3
of ironstone 1	1	Q				
or monstone r	Ji.	3				
C : 1 C 1 FF F	,	10	00			T-4-1 100 0 0
Carried forward 57 5	)	10	08	5	9	Total 136 2 2

### No. 2,297.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the First Hole in the North-east corner of Quarry Field, in Witton Park Estate. October 31st, 1839.

a				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	O	1	U				Brought forward 6 4 0
Sandy clay, with small							Grey and brown metal 1 0 10
stones	5	1	3				Brown post, with
Dark grey metal	0	0	3				water 2 4 0
COAL							Brown metal 2 2 8
	_			5	3	7	Brown post 0 4 2
Dark metal, scared				-	_	•	Brown metal 1 2 1
with coal	0	1	4				Black metal 0 0 3
COAL, but will not							Dark metal 0 0 9
cinder-Main Coal							Grey and blue metal 1 0 11
Seam	0	5	1				Black metal 0 0 7
				1	0	5	COAL 0 1 11
				_	-	_	10 0 2
Carried fo	rwa	$\mathbf{rd}$		6	4	0	Carried forward 16 4 2

### No. 2,297.—WITTON PARK.—CONTINUED.

Brought forward	Fs. Ft	t. In. Fs. Ft. In. 16 4 2	Fs. Ft. In. Fs. Ft. In Brought forward 6 0 4 19 2 0
	0 5	8	Grey post, with water 1 4 5
		5 5	Dark metal 0 2 7
COAL			COAL 0 0 6
OOAL	0 0	2 3 10	8 1 10
Grey post	2 0		Blue metal 0 1 9
Brown post, with	2 0	, 0	COAL, rather Ft. In.
	0 2	2 5	tender 1 8
			COAL, foul 0 3
White post	0 1		
Blue metal			·
White post	0 1	0	0 3
Dark metal	1 0	7	Grey metal, with post
Grey metal, with gir-			girdles 1 0
	1 4	4 2	8
Carried forward	6 0	4 19 2 (	Total 29 1
,			

### No. 2,298.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Boring in the Second Hole in Witton Park Estate, about 280 yards from the First. December 9th, 1839.

Soil	Fs.		In. 8	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 11 4 6
		4					Grey metal 0 1 10
Sandy clay	U	-1	-36	0	5	0	Brown metal 0 = 1 11
D 4		0		U	b	U	
Brown post							Ft. In.
Blue metal	2	0	4				COAL 5 5
Brown metal stone	0	4	0				Grey metal 0 5
Soft brown post (set							COAL, foul 1 6
away the water at							- 1 1 4
8 feet)	2	5	9				1 5 1
Grey metal, with							0 0 0
girdles	3	0	<b>2</b>				Grey metal 0 0 8
Dark metal		2	7				
COAL	0	<b>2</b>	3				
				10	5	6	•
Carried fo	rwai	rd		11.	4	6	Total 13 4 3

#### No. 2,299.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Boring in the Third Hole in Witton Park Estate. December 24th, 1839.

Approximate surface level feet above sea (Ordnance datum).

		Total							1	4	5
In whin tumbler	•••	•••	•••	***	. ***	_			1	4	5
Clay and sand, with						1	4	3	Fs.	Ft.	In.

### No. 2,300.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata bored through by the side of the Old Park Wall, in the South-east corner of Quarry Field, Witton Park Colliery. February 8th, 1842.

Brown soil		Ft.		Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 9 3 0
Strong gravelly clay		5	0				Grey metal stone 1 1 9
Gravel, with water		<b>2</b>	0				COAL 0 1 0
Strong clay	_	4	6				1 2 9
COAL	0	0	4				Grey thill stone 0 1 6
				3	0	10	Dark blue metal stone 4 4 0
Strong clay, with							Grey and brown post,
tumblers	1	1	<b>2</b>				with blue metal
Grey metal stone	<b>2</b>	3	0				partings 2 0 0
Post girdle	0	1	0				Grey metal stone 0 4 6
Grey metal stone	0	3	0				Blue metal stone 0 3 6
Post girdle, with metal							COAL 0 1 0
partings	1	4	0				<del></del>
CÓAL		2	0				Blue metal stone 0 2 0
				6	2	2	COAL - Main Coal
							Seam 0 5 3
							1 1 3
Carried for	war	d		9	3	0	Total 20 3 6

### No. 2,301.—WITTON PARK.

TOWNSE	IIP OF W	ITTON-I	E-WEA	R, DI	RHA	M.			
Sheet 42 of Ordna	ance Map.	Lat.	_		, Lo	ng.	7.	•	
Account of Five Borings mad the Strata through whi east corner of th	ch a Wate	ercours	e woul	d be a	lrive	n fre	m t	he S	e Seam an South-
Approximate surfa	ice level	feet	above s	sea (O	rdna	ince	datu	m).	
Sandy clay Brown sand, with war Blue leafy clay					0	Ft. II 4 5 4 ( 3 6	) )	0	3 3
No.	2,302.—	WITI	'ON	PAR	K.				
TOWNSH	IP OF WI	TTON-L	E-WEAI	R, DU	RHAI	M.			
Sheet 42 of Ordna	nce Map.	Lat.	-		, Lo	ng.			
No. 2 H	ole, about	20 yar	- ds fron	n the	Firs	t.			
Approximate surfa	ce level	feet :	above s	sea (O	rdua	ınce	datu	m).	
Soil and clay Blue leafy clay Sand, with water					1 1	Ft. In 4 9 0 9 2 9		Ft.	In. 3
	Total	•••			• •		4	2	3
	2,303.—					и.			
Sheet 42 of Ordna	nce Map.	Lat.	_	:	, Lor	ng.			
No. 3 Ho	le, about 2	28 yard	- s from	the S	lecon	d.			
Approximate surfa	ce level	feet a	bove s	ea (O	rdna	nce d	latui	m).	
Soil Sand and gravel Blue leafy clay Brown sand Stony clay Dry gravel Blue leafy clay					0 1 1 2 4 8 0 0 0 1 1 0	Tt. In. 1 0 2 0 5 8 0 10 1 0 0 4 1 6	Fs.	Ft. :	In. 4
	Total	.,.	•••	•••	••	٠ =	8	0	4

### No. 2,304.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### No. 4 Hole, 105 yards from the Third.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. Soil 0 0 10 Sandy clay, with water 3 0 0	In. Brought forward 11 5 0 Sand, mixed with coal
Blue stony clay 2 5 6 Brown leafy clay 1 4 0 Dry sand and gravel 1 3 1 Brown sand 0 1 7 Stony clay 2 2 0	and grey metal 1 1 9 Grey post 0 2 4 Whin 0 0 6
Carried forward $11   5   0$	Total 13 3

### No. 2,305.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### No. 5 Hole, about 200 yards from the Fourth.

Soil	Fs. Ft. In. 0 1 1	Fs. Ft. In.	Brought forward	Fs. Ft. In. 2 4 4	Fs. Ft. In. 9 0 4
Sandy ramble, with	0 1 1		Grey metal	$\begin{bmatrix} 2 & 1 & 1 \\ 0 & 1 & 0 \end{bmatrix}$	0 0 1
water	1 0 0		Grey post	0 5 3	
Strong clay	4 2 6		Grey metal	1 3 7	
Leafy clay	1 2 10		COAL - Main Coal		
Brown sand	0 0 9		Seam	0 5 6	
Strong blue clay	1 0 10				6 1 8
		8 2 0	G		
Grey metal	0 3 10		Grey metal		1 0 3
COAL	0 0 6				
		0 4 4			
Grey metal, with post					
	1 1 6				
Grey post	1 2 10				
Carried forward	2 4 4	9 0 4	Total		16 9 9
Carried forward	2 4 4	<i>9</i>	10041		10 4 3

### No. 2,306.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

Commenced Boring for Donald McNoel, Esq., Witton Park. No. 1 Hole. June, 1843.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Sand and water	1	5			Ft.	In.	Bro COAL, water			4	4	5			
Very soft grey metal A strong post girdle Grey metal Very dark grey metal	0	0 4	11 0		•		Band						5 0	0	1 8
Carried forward	4	4	5	2	0	1		Tota	al				7	0	10

#### No. 2,307.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

No. 2 Hole, for Donald McNoel, Esq., at Witton Park Colliery.

Approximate surface level

feet above sea (Ordnance datum).

Clay, mixed	with:	sand and	water				Fs. 2			Fs.	Ft.	In.
Dark grey r	netal		•••				2	3	9			
COAL, tor	, with	water	•••	•••	•••	•••	0	1	1	_		,
Band			•••	•••		•••				_	0	7
		T	otal					•••		5	5	2

### No. 2,308.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Commenced Boring for Mr. Sharp. No. 1 Borehole. July 9th, 1844.

Approximate surface level feet above sea (Ordnance datum).

Soil, saud, and clay	6	5	5	Fs.	Ft. In.	]	Broug	ht forw	ard				Fs.	Ft.	In.
A tumbling stone	0	1	2			Blue	clay	•••		0	4	6			
Sand Brown freestone post,								metal		0	1	0			
with water	0	5	6				•					_	10	3	8
Carried forward	8	2	8					Total	•••		•••	_	10	3	8

### No. 2,309.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

#### No. 2 Borehole.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In.			
Soil, sand, and clay,							Brought forward 0 1 3	8	1	9
with water	1	0	0				Black metal or cannel			
Blue clay							coal 0 0 4			
Brown freestone post							Ft. In.			
Blue clay	0	4	9				COAL, cannel 0 10			
White post, with water	0	1	0				Grey metal 0 8			
Dark grey metal and							COAL, good 4 0			
iron girdles	1	0	6				COAL, coarse			
	0	2	0				or splint 0 5			
COAL, top	0	2	4				0 5 11			
1	-		_	8	1	9		1	1	6
Metal band	0	0	7				Grey metal	0	0	3
	0		8							
Carried forward		1	3		1	9	Total	9	3	6

#### No. 2,310.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Commenced Boring for Messrs. Sharp and Smith. No. 1 Hole. October 3rd, 1844.

Approximate surface level feet above sea (Ordnance datum).

Soil, sand, and gra	welly c	lay 				Fs. Ft. In 5 2 0 0 3 11 0 0 3		Ft.	In.	
					•••		6	0	2	
		Tota	l	•••	•••	•••	6	0	2	

#### No. 2,311.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

An Account of Borings made for the Foundations for the Bishop Auckland and Wear-dale Railway Bridge, near Witton-le-Wear. First Hole, on the South side of the River Wear. May 2nd, 1839.

						Fg	Ft	In	Fs	Ft.	In	_
Dry sand			•••			0		6	~ ~			
Gravel	•••	•••	•••			2	0	0				
Soft leafy clay	•••					0	3	-				
Sand and gravel	•••	•••	•••	•••		0	3	4	_			
						-			3	4	10	
		Total			•••				3	4	10	

### No. 2,312.—WITTON-LE-WEAR.

TOWNSHIP	OF	WITTON-LE-WEAR,	DURHAM.
----------	----	-----------------	---------

Second Hole, on the South side of the River Wear.	Lat. , Long.	lat.	ce Map. —	f Ordnar	Sheet 34 of	Sl
Gravel	th side of the River Wear.	h side of	n the Sout	d Hole,	Secono	
Timber	ieet above sea (Ordnance datum	eet above	level f	surface	pproximate	App
Timber	1 0 0				el	Gravel
Tumbler or post						
No. 2,313.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. , Long.  First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Clay	1 0 5					
No. 2,313.—WITTON-LE-WEAR.		• •••	•••	• • • • •	bler or post	<b>Fumble</b>
No. 2,313.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. , Long.  First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel	3					
TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. , Long.  First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Gravel	3		Total .			
TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. , Long.  First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Gravel						
TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. , Long.  First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Gravel						
Sheet 34 of Ordnance Map.   Lat.   , Long.	TON-LE-WEAR.	TON-L	3.—WI1	o. 2,31	N	
First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel	ON-LE-WEAR, DURHAM.	N-LE-WEA	OF WITTO	WNSHIP	то	
First Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 5 0 Sand and clay, very soft 1 3 4 In sand 0 3 6  Total 3 5   No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel	,					
Approximate surface level feet above sea (Ordnance datum).  Gravel	Lat. , Long.	at.	е Мар. І	Ordnand	Sheet 34 of	She
Approximate surface level feet above sea (Ordnance datum).  Gravel						
Gravel   Fs. Ft. In. Fs. Ft   Sand and clay, very soft       1   5   0   0   1   3   4     1   1   3   4     1   1   3   4     1   1   3   4     1   1   3   5     1   3   5	h Side of the River Wear.	Side of	the North	Hole, on	First .	
Cravel	feet above sea (Ordnance datum	eet above	level f	surface	pproximate	App
Sand and clay, very soft         1   3   4     In sand         0   3   6     Total       3   5     Total       3   5     Total       3   5     Total         3   5     Total         3   5     Total         3   5     Total         3   5     Total           3   5     Total           3   5     Total           3   5     Total             3   5     Total             3   5     Total               3   5     Total               3   5     Total               3   5     Total                 3   5     Total                 3   5     Total                 3   5     Total                 3   5     Total                   3   5     Total	Fs. Ft. In. Fs. 1					
No. 2,314.—WITTON-LE-WEAR.   Township of witton-le-wear, durham.   Lat.   Long.						Traval
Total 3 5 5 3 5 5	1 3 4	•				
No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Clay 0 0 10 Gravel, left off in hard tumbler 6 0 5	0 9 6			-		Sand an
No. 2,314.—WITTON-LE-WEAR.  TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10 Clay 0 0 10 Gravel, left off in hard tumbler 6 0 5				-		Sand an
TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10  Clay 0 0 10  Gravel, left off in hard tumbler 6 0 5	3					Sand an
TOWNSHIP OF WITTON-LE-WEAR, DURHAM.  Sheet 34 of Ordnance Map. Lat. Long.  Second Hole, on the North Side of the River Wear.  Approximate surface level feet above sea (Ordnance datum).  Gravel 1 2 10  Clay 0 0 10  Gravel, left off in hard tumbler 6 0 5	3					Sand an
Sheet 34 of Ordnance Map.   Lat.   Long.	3					Sand an
Sheet 34 of Ordnance Map.   Lat.   Long.	3		otal .	т	nd	Sand an
Second Hole, on the North Side of the River Wear.    Approximate surface level   feet above sea (Ordnance datum).     Fs. Ft. In. Fs. Ft. 1   2 10   10   10   10   10   10   10	3 3 3 3 3 TON-LE-WEAR.	TON-L		To. 2,31	nd	Sand an
Approximate surface level         feet above sea (Ordnance datum).           Gravel            1 2 10           Clay           0 0 10           Gravel, left off in hard tumbler          6 0 5	3 3 3 3 3 TON-LE-WEAR.	TON-L		To. 2,31	nd	Sand an
Approximate surface level         feet above sea (Ordnance datum).           Gravel            1 2 10           Clay           0 0 10           Gravel, left off in hard tumbler          6 0 5	TON-LE-WEAR.	TON-L	otal .	To. 2,31	No Tov	Sand ar
Gravel	TON-LE-WEAR.  ON-LE-WEAR, DURHAM.  Long.	TON-L	otal .  WIT  OF WITTO	To. 2,31 wnship	No Too	Sand ar
Gravel 1 2 10 Clay 0 0 10 Gravel, left off in hard tumbler 6 0 5	TON-LE-WEAR.  DN-LE-WEAR, DURHAM.  Long.  Th Side of the River Wear.	TON-L	otal .  WIT  OF WITTO  Map. I	To. 2,31 wnship Ordnanc	No Too	Sand and In sand
Clay 0 0 10 Gravel, left off in hard tumbler 6 0 5	TON-LE-WEAR.  DN-LE-WEAR, DURHAM.  Long.  Th Side of the River Wear.	TON-L	otal .  WIT  OF WITTO  Map. I	To. 2,31 wnship Ordnanc	No Too	Sand and In sand
Gravel, left off in hard tumbler 6 0 5	TON-LE-WEAR.  ON-LE-WEAR, DURHAM.  Long.  The Side of the River Wear.  Geet above sea (Ordnance datum  FS. Ft. In. Fs. F	TON-LE-WEA	otal .  WIT  OF WITTO  Map. L.  the North	To. 2,31 wnship Ordnanc	No Too Sheet 34 of Second	Sand and Sand
7 4	TON-LE-WEAR.  DN-LE-WEAR, DURHAM.  Long.  Sh Side of the River Wear.  Geet above sea (Ordnance datum)  Fs. Ft. In. Fs. F	TON-LE-WEA	otal .  WIT  OF WITTO  Map. L.  the North	To. 2,31 wnship Ordnanc	No Too Sheet 34 of Second	Sand and Sand App
	3  "TON-LE-WEAR.  "In Long.  "In Side of the River Wear.  "Seet above sea (Ordnance datum)  "Fs. Ft. In. Fs. Ft. I	TON-L	or witto Map. I devel f	To. 2,31 WNSHIP Ordnance Hole, or	No Sheet 34 of Second pproximate	Sand and In sand She App

### No. 2,315.—WOLSINGHAM.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Orduance Map. Lat.

Long.

An Account of Borings made upon Wolsingham Moor for the use of Messrs. Pearsons, Wright, and Todd. First Place, about 70 yards North-west from the road leading from Cornsay to Wolsingham, and about 100 yards North-east from the corner of the stone wall entering into the lane at the first enclosure upon Towlay Hill, by Messrs. Joseph Jopling and Wm. Didsburn. June 4th, 1781.

Strong stony elay			In. 10	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 0 9 5 0
Blue metal, with post girdles	1	1	2				Blue grey metal, with girdles 1 1 7 COAL, foul 0 0 9
Grey post, with brown partings White post, with brown	0	5	2				2 2 4
partings Strong brown post			40				Grey metal        0       1       6         Blue metal        0       3       9
Grey post, with partings			-				COAL, foul 0 0 4
Black metal stone Grey post, with metal			0				Blue metal, with girdles 0 3 0
partings Black stone			0 6				Black stone, with scares of coal 0 5 7
COAL, foul, with water			6				Grey post 0 2 8 Black metal, with
				9	5	0	girdles 4 3 6 COAL, foul 0 0 4
Soft thill Grey metal, with post	-						Soft metal 0 5 6
girdles Whin		$\frac{3}{1}$	$\frac{6}{0}$				In white post 0 1 6
Carried forward	1	0	0	9	5	0	Total 20 5 0

### No. 2,316.—WOLSINGHAM.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 32 of Ordnance Map. Lat.

Long.

An Account of Boring in the Second Place, South from Wolsingham, about 60 yards

East of the road that leads from Wolsingham to Barnard Castle, and about 30

yards South from Blackburn, near St. John's, for the use of Messrs. Pearsons,
Wright, and Todd. December 11th, 1781.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Soft black stone		$\frac{1}{0}$	Ft. 4 3 1	6	Fs.		In.	Whin	$\frac{2}{0}$	4 4 4	7 9 6	Fs. 2		
Blue thill stone Grey post girdles Whin Grey post girdles		0	$\frac{2}{1}$	-	2	2	11	Grey post girdles Blue stone Whin.				5	5	3
Carried forwa	rd	2	4	7	2	2	11	Total				8	2	2

### No. 2,317.—WOODHORN.

#### TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat.

Long.

Account of a Borehole on Woodhorn Estate. Finished January, 1868.

Approximate surface level

feet above sea (Ordnance datum).

					_	1
Class			In. Fs.	Ft.	Iņ.	Fs. Ft. In. Fs. Ft. In
Clay	•••		_			Brought forward 21 ·2 ·4
Grey shale		1  2	0			Shale and shale stone 12 0 0
COAL		0 3	0			Black shale 0 0 8
			_ 2	4	0	Grey shale 3 5 0
Shale		3 1	0			Shale, mixed with coal 0 1 0
Post		3 1	6			Dark shale 3 0 0
Shale		3 0	0			COAL 0 0 8
Post		2 2	0			19 1 4
Dark shale		1 0	0			Shale 5 0 0
Shale stone		5 1	0			Post 1 5 0
COAL		0 0	9			COAL 0 1 7
			18	0	3	7 0 7
Shale	•••	0 2	9			Shale, mixed with coal 0 3 0
COAL		0 1	4			Grey shale 3 3 0
			0	4	1	COAL 0 1 10
			-	_	_	4 1 10
	Carried f	orward	21	2	4	Carried forward 52 0 1

### No. 2,317.—WOODHORN.—CONTINUED.

•	Fs.	Ft	. In	. Fs.	Ft	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward				52	0	1	Brought forward -1 1 6 90 1 8
Shale	4	2		)			Grey post 0 3 0
Post	0	2	- 6	3			Grey shale 0 4 0
Whin	0	2	10	)			White post 1 1 0
Strong post	3	0	7	,			Shale 1 3 6
	. 3	ĭ					DI 1 1 1 0 0 4
Dark grey shale	. <b>U</b>		U	'			
COAL, rather							
tender the Ft. In.							5 2 4
first 7 inches 2 4							Black shale 0 1 0
Black band 0 3							Grey shale 3 2 6
COAL 1 4							Post 1 4 0
	0	3	11				COAL 0 1 4
				12	0	10	5 2 10
Black stone, mixed					•		Course shall
	0	1	1				D 1
Post	0	2	0				Grey shale 0 3 0
Shale	0	1	7				Dark shale girdles 1 5 6
Ft. In.							COAL and shale 0 1 0
COAL 1 1							3 1 0
Shale 0 3							Dark shale 0 5 6
COAL 1 6							Post 0 3 0
	0	9	10				0041
	U		10	1	-	c	
D. 1 1. 1.					1	6	0 11
Dark grey shale	0	4	6				Grey shale 0 0 11
Post, with shale part-		_					Ft. In,
ings	<b>2</b>	2	0				COAL, foul 0 2
Grey shale	2	0	0				COAL, tender 1 5
Ft. In.							0 1 7
COAL 0 10							0 2 6
Shale, with brass 0 3							0 11 0 710
							1
COAL 1 5	Λ	ค	c				
	0	2	6		_	_	406
				5	3	0	Grey shale 1 0 0
Black shale	0	0	3				Whin 0 0 10
Grey shale	0	$^{2}$	3				Grey shale, with girdles 3 0 2
Grey shale	1	3	9				COAL, strong 0 1 6
COAL — supposed							4 2 6
Yard Seam	0	3	0				Into light grey shale.
1 ara Seam	U	U	·	2	3	3	
01 -1-					မ	9	
Grey shale	0	1	8				Dark shale 0 1 0
Post	3	5	0				COAL brassy 0 2 1
Shale	<b>2</b>	1	6				<del></del> 8 0 1
Whin	0	3	6				Dark Shale 0 0 5
Post	3	5	0				Black slate and coal 0 0 2
Shale	1	0	0				Grey shale 1 1 0
	ō	ŏ	8				Post 0 3 0
COAL, foul	_			11	5	4	Post, mixed with whin 1 1 6
Commandal	2	1	_	тŢ	Ð	4	
Grey shale		1	0				
COAL	0	U	10	_	_		Post 0 3 0
				<b>2</b>	1	10	Dark shale 4 1 6
Shale stone	1	1	6				White post 0 1 6
Whin girdle	0	0	9				Whin 0 0 8
Shale stone	Ō	5	3				Post 0 3 0
Black shale	ŏ	ŏ	6				Whin 0 1 10
0041	ŏ	_	10				0.1
COAL	U	T	τO	0	0	10	
25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				2	3	10	Black shale, mixed with
Dark shale, mixed with	_	_	_				coal 0 0 8
coal	0	0	6				Into grey shale 0 4 0
Grey shale	1	1	0				12 4 3
•							
Carried forward	1	1	É A	90	1	8	Total 135 2 11
Carried for ward	1		U	00	T	O	Total 135 2 11
							:

#### No. 2,318.—WOODHORN.

#### TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat. , Long.

Account of Borehole No. 2 on the Woodhorn Estate. January 21st, 1868.

Approximate surface level feet above sea (Ordnance datum).

•	rpproxit	nace	Suil	acc	101	C1	1,	et above sea (Ordnance datum).		
		Fs	. Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In		
Soil and clay		. 0	4	0				Brought forward 73 3 7		
Post		0	5	0				Grey shale 2 0 0		
Black shale								COAL 0 0 4		
with coal		~	1	0				2 0 4		
~			_	0						
		4.4								
			3	0				COAL 0 2 10		
Black shale	and coa			6				<del></del> 4 3 10		
Grey shale		. 4	1	0				Grey shale 0 0 10		
Shale, with po	st girdle	s = 3	3	0				Blackshaleand foul coal 0 2 4		
Black shale			0	8				Grey shale 3 2 6		
Grey shale st			2	6				Post 0 5 9		
Grej situe	- Ft. In		_	·				Metal stone 2 3 10		
COAL		ī						1) 1 1 1 0 4 0		
Shale		6								
COAL and s		9						Shale and coal 0 3 6		
O AL and s	naie o	<b>-</b> 0	2	4				COAL, good Ft. In.		
		- 0		18	00	0	0	COAL, good 4 5		
0 . 1 1					32	2	0	COAL, brassy 0 5		
Grey shale	•••	1	_	0				0, 4 8		
COAL		0	0	6				9 3 1		
					1	5	6	Grey shale 0 1 1		
Grey shale		3	0	6				Ft. In.		
COAL		0	0	5				COAL 1 2		
• • • • • • • • • • • • • • • • • • • •					3	0	11	Shale and coal 0 6		
Dark shale		3	4	0	·	0	11	COAL 0 10		
								0 2 6		
Grey post		4		0						
Shale	•••	0		6				0 3		
COAL		0	) 1	5				Grey shale 0 4 6		
					8	5	11	COAL 0 0 6		
Stronggreyn	netalsto	ne 2	3	0				0 5		
XX71 **		1	. 1	0				Grey shale 0 3 6		
Shale and co		7		6				White post 0 4 6		
Grey shale				6				Shale stone 0 4 9		
COAL				7				TTT1 11		
COAL	•••	c	, 0	- 1	c	-	H	I de la companya del companya de la companya del companya de la co		
<b>a</b>		_			6	1	7	COAL		
Grey post	• • •	3		0				COAL 0 2 2		
Slate		8		0				5 1		
COAL		(	0	9				Dark shale 0 4 3		
					7	$^{2}$	9	White post 0 3 0		
Grey shale		8	3 5	0				Grey shale 0 3 0		
COAL			0	4				White post 2 2 6		
		_			3	5	4	Shale stone 0 4 6		
Shale		1	L O	0		9	-	COAL, brassy the		
Post			3					$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
			5 1	6						
Whin			) 1	6				Grey shale 0 4 8		
Post		. :	1 0	6				Post 1 1 6		
Grey shale		(	3	0				Whin 0 3 8		
Post			3					Post 8 1 6		
COAL (su	prosed							Whin 0 1 0		
Yard Sea	m)		3	1				Into post 0 1 0		
Z W/ W NEU	,				9	3	7	11100 post 11 1		
3 3 7										
,	Y	•	3		rio.			Total 113 1		
	Carried 1	corwa	ara		73	3	7	Total 113 1		

March, 1869.—This hole was lost, 70 fathoms of rods left iu, beater bottom up, bitch, chisel, 18 inch piece, wilfully put in by some persons unknown.

### No. 2,319.—WOODHORN.

#### TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat.

Long.

### Account of Borehole No. 3 on the Woodhorn Estate.

						1
Brown stony clay		t. In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 42 1
Hard post	-	1 0				Shale and shale stone 2 5 0
Soft post	0	2 0				Whin 0 1 0
Shale stone		$\tilde{0}$				Shale stone 2 5 0
D 1 1 1		$\overset{\circ}{2}$ $\overset{\circ}{6}$				Ft. In.
		$\tilde{0}$ $\tilde{6}$				COAL 2 5
COAL	0	0 0	• •			COAL, foul 1 4
			10	4	0	COAL 0 10
Grey shale	1 (	0 0				0 4 7
Shale stone	1	1 0				6 3 %
COAL	0	1 6				Daula abab
			2	2	6	Chala atama
	_		2		U	Guara part
Grey shale	0	3 6				
Shale, mixed with coal		4 0				Shale stone 2 0 0
Shale stone	2	2 9				Grey shale 0 1 4
Whin	0	2 0				Ft. In.
Shale stone	1 :	2 9				COAL, strong 4 3
Grey and white post	6	4 0				COAL, foul 0 5
COAL, foul	0	0 10				0 4 8
			12	1	10	8 4 (
			14	1	10	Grey shale 0 0 8
Grey post	1	<b>5</b> 0				Hard black shale, with
Shale stone, with whin						coal 0 2 6
girdles	3	0 6				COAL 0 0 9
Grey post	0 :	3 0				0 3 1
Shale stone	1 :	2 6				Grey shale stone 0 2 0
Whin	0	1 0				Black shale and coal 0 1 0
Dark shale, whin						Shale stone 4 0 6
girdles	2 (	0 9				Black shale 0 0 3
COAL		0 3				Ft. In.
· · · · · · · · · · · · · · · · · · ·	•		•		^	COAL 1 5
			9	1	0	Shale, mixed
Grey shale stone	1 (	0 0				with coal 0 8
Grey post	0 :	3 3				COAL 0 7
Whin	0	1 3				Shale, mixed
Grey post	1	2 4				with coal 0 5
Whin	0	1 6				COAL 0 4
Grey post		3 0				COAL, foul 0 5
Metal stone		0 0				— 0 3 10
Dark shale		1 4				- 5 1 7
Ft. In.	٠.					
COAL, strong 2 3						
Shale, mixed						
with coal 0 3						Shale stone 1 0 0
COAL, tender 0 9						
COAL, foul 0 5						COAL, foul Ft. In.
OAL, 1001 0 9						COAL, strong 3 1
-	0 :	3 8				——————————————————————————————————————
			7	4	4	1 3 5
			_			1 3 5
Carried for	word		42	1	8	Carried forward 66 4 2
Carried 101	·· aru		14	-	O	Carried for ward 00 4 2

### No. 2,319.—WOODHORN.—CONTINUED.

Requel	nt forward		Ft.	In. F			Fs. Ft. In. Fs. Ft. In. Brought forward 13 1 6 66 4 2
Grey shale s		_	0	0	0 4	4	Brought forward 13 1 6 66 4 2 Shale stone 0 3 6
Grey post	•••	^	2	6			Hard-black stone, with
Whin			1	0			coal 0 0 9
Grey post			0	-			COAL 0 1 5
Coal pipes		_	0	3			14 1 2
White post	•••	_	1	-			Dark metal 0 0 6
Whin	***	-	1	_			Into metal stone 1 4 0
White post	•••		0				1 4 6
Whin	•••	. 0	0	6			
Carried	forward	13	1	6 6	6 4	2	Total 82 3 10

# No. 2,320.—WOODHOUSE.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 14″, Long. 1° 41′ 45″.

Strata sunk through at Woodhouse Colliery (otherwise called Tindale Colliery). 1854.

Soil		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 3 0 18 1 9
Strong blue clay	2		ŏ				Blue metal, with iron-
Grey metal, with post	-	-	•				stone girdles 0 3 0
girdles ·	5	4	0				Splint or jet 0 2 0
Blue metal, with post	U	-	•				Post girdles 0 0 4
girdles	Ω	1	6				Strong grey post,
COAL							mixed with whin
OORL			-	9	2	4	and partings 2 3 7
Stuana thill	_	5	4	J		T.	Black metal 0 4 0
Strong thill		ő	3				Soft blue metal 3 3 6
Whin girdles Soft blue metal		0	0				COAL 0 0 5
	4	U	U				11 1 10
Strong grey metal,	6)	0	۸				
with whin girdles		2	0 2				
COAL	0	0	Z		-	9	The state of the s
a				5	1	9	Strong grey metal, mixed with post 2 3 0
Strong black metal,			_				mixed with post 2 3 0 Strong blue metal 1 3 0
with whin girdles		3					Strong street motors in
COAL	0	O	8		_		COAL 0 0 2
			_	3	3	8	
	0	3	0				Fire clay 0 1 6
Strong grey metal,							COAL—Yard Seam 0 3 4
with iron balls	3	0	0				0 4 10
			-				Total 35 5 9
Carried forward	3	3	0	18	1	9	Total 35 5 9
							A A
							AA

#### No. 2,321.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Account of Boring made at Woodhouse Close Colliery, West Auckland.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. Ir	n. Fs. Ft. In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal 1 5 (	0	Brought forwa	rd :	17	2	5			
Post 0 2 10	0	Black metal		0	4	0			
Brown metal 0 2 (	0			0	3	5			
Blue metal 1 0 (	0	Black stone		0	1	0			
Post 0 1 8	8	Blue metal		1	0	4			
Blue metal 0 5 6	6	Brown metal		0	2	6			
Post 0 4 0	) (	Post		0	0	6			
Blue metal 0 3 (	) (	Black stone		1	3	9			
Brown metal 0 5	0	COAL, foul		0	0	4			
Blue metal 2 2 6	6		-				22	0	3
Post 0 0 5	5	Grey stone		0	0	6			
Post shiver 0 5 (	0	Post		0	2	0			
Blue metal 0 3 (	0	Whin		0	1	0			
Black metal 0 1 (	) c	Post		0	2	0			
Brown metal 0 5 8	8	Blue metal		0	3	0			
Post 0 4 3	3	Blue slates		0	3	0			
Blue metal post stone 0 0 8		COAL, foul		0	0	5			
Post 0 1 3	3	· ·	-				1	5	11
Blue metal post stone 0 0 9	9	Black stone		0	0	10			
Blue metal 1 0 7	7	Grey post		1	0	0			
Black metal (water		White post		0	0	9			
goes off) 0 0 3		Blue metal post stor	ıe	0	0	5			
Grey stone 0 4 7	7	White post (water go							
Blue metal 0 1 9	9	off)		1	0	2			
Grey stone 0 1 8	8	Grey post		0	1	8			
Blue metal 0 1 3	3	Black stone and stron	ıg						
Post 0 2 3	3			1	0	0			
Blue metal 1 0 0	)	COAL and clean wat	er	0	5	2			
Brown metal 0 2 6	3		-			-	4	3	0
Carried forward 17 2 5	5	Total .					 28	3	2
	- !	20002				=			=

# No. 2,322.—WOODHOUSE CLÔSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 55″, Long. 1° 41′ 11″.

Strata sunk through in the North or Engine Pit at Woodhouse Close Colliery. Begun to sink June 2nd, 1835.

Outset Fs. Ft. In. Fs. Ft. In. 2 4 0	Fs. Ft. In. Fs. Ft. In. Brought forward 12 4 11
Soil 0 1 3	Grey thill 0 1 6
Strong brown clay 2 5 6	Grey post, with water 0 0 9
Dry gravel and sand 1 0 9	Blue metal 3 0 0
Strong blue clay 1 4 3	Grey post girdle (55
Brown broken post 2 2 3	gallons of water per
Dark metal, with water 0 2 9	minute) 0 0 5\frac{1}{2}
Grey metal stone, jointy 1 1 11	Blue metal 0 1 0
COAL 0 0 3	Coarse grey post girdle 0 0 7
10 0 11	Blue metal $0 0 1\frac{1}{2}$
C 110	
Carried forward 12 4 11	Carried forward 3 4 5 12 4 11

# No. 2,322.—WOODHOUSE CLOSE.—CONTINUED.

Brought forward Grey post													
Thill, mixed with ironstrone balls   CoAL   Strong progress   CoAL   Strong past girdles   CoAL   Str								Fs.	Ft.				
Mefal, seared with post   0				LZ	4.	LL					45	1	10
Dark metal     0	J. F.							Λ	4	^			
Strong post girdles     0   1   0   0   0   0   0   0   0   0	70 1 1 1	-				- 1		U	46	U			
Blue metal       0   1   6						- 1		Ω	4	Λ			
COAL, splint 0 3 8 Band	Black model U									-			
COAL   Splint   0   3   8   8   8   8   8   8   8   8   8		1	O			ļ	COAL, spiint, bad	U			1	9	Λ
Band						1	Gray motel with nost				-	0	0
Thill, broken with gullets, 11 in. thill, to bottom of crib 8 in. 0 1 7 Grey post 0 2 5 Blue metal 1 0 10 Grey post 0 0 1 4 5 Blue metal 1 0 10 Grey post 0 0 1 6 Blue metal 1 0 10 Grey post 0 0 0 0 5 GOAL, soft 5 2 0 Fine black stone 5 2 0 Fine blue metal 1 0 10 Grey post 0 0 0 0 5 GOAL, soft 5 2 0 Fine black stone 5 2 0 Fine black stone 5 2 0 Fine black stone 0 0 4 0 Strong rough thill, mixed with iron-stone balls scared with post 1 0 0 COAL, good 0 1 10 Grey metal, with iron-stone balls scared with post 1 0 0 Coarse grey whin girdle 0 1 2 Strong post girdles, with metal partings 2 3 0 Yard Coal Seam—  COAL, top, Ft Ingood 2 10 Band 0 3 COAL, bottom, tender 1 2 Coal parting 2 3 0 Strong blue metal 1 1 5 0 Coal parting 2 3 0 Strong grey metal and post girdles, with water 4 1 0 Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post girdles, with water 4 1 0 Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 2 4 0 COAL, good 0 3 0 COAL, good 0 3 0 COAL, good 0 3 0 COAL, good 0 1 0 0 3 COAL, good 0 3 0 COAL, good 0 3 0 COAL, good 0 1 0 0 3 COAL, good 0 3 0 COAL, good 0 0 0 3 COAL, good 0								Ω	1.	٥			
						1							
Thill, broken with gullets, 11 in. thill, to bottom of crib 8 in. Grey post 0 2 2 5 Blue metal 0 0 1 5 Blue metal 1 0 10 Grey post 0 1 5 Blue metal 1 0 10 Grey post 0 0 1 5 Blue metal 1 0 10 Grey post 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1	1					-					
Thill, broken with gullets, 11 in. thill, to bottom of crib 8 in. 0 1 7 Grey post 0 0 4 ½ White post girdles 0 1 0 10 Grey post 0 1 6 Dark blue metal 1 0 10 Grey post 0 0 0 ½ Silue metal 1 0 10 Grey post 0 0 0 0½ Sirong post 0 1 6 Dark blue metal 4 1 0 COAL 0 0 0 0½ Sirong post girdles 1 0 0 8 Grey metal, with ironstone balls scared with post 1 0 8 Strong post girdles, with metal partings 2 1 0 0 COAL, good 0 1 10 Grey metal, with ironstone balls scared with post 1 0 0 0 Coarsegrey whingirdle Strong post girdles, with metal partings 2 3 0 White post, with metal partings 2 3 0 Yard Coal Seam — COAL, top. pt In. good 2 10 Band 0 3 COAL, bottom, tender 1 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 2 Soft thill 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				4	5	1	COAL, soit			<u>.</u>	1	0	0
lets, 11 in. thill, to bottom of crib 8 in.   0	Thill, broken with gul-						Sound good thill (a				-	v	•
Bottom of crib 8 in. 0 1 7   7   7   7   7   7   3   4   3   4   1   1   1   1   1   1   1   1   1								0	1	6			
Strong post   0 2 5   0 4½		1	7					Ü	-	•			
Blue metal		2						5	2	0			
White post girdles 0 1 5	TO! 1 1 ()	0	41							_			
Blue metal		1					Strong rough thill.	•	_	-			
Strong blue metal		0	10				mixed with iron-						
Dark blue metal		1	6					0	2	0			
COAL       0   0   0   0   0   0   0		1	0					-	-				
Fine close thill (a ring crib laid 8 ins. into it, remainder of thill 1 fathom) 1 0 8 Grey metal, with ironstone balls scared with post 1 0 0 1 2 Strong post girdles, with metal partings 2 3 0 Yard Coal Seam—  COAL, top, Ft Ingood 2 10 Band 0 3 COAL, bottom,tender 1 2 Coal parting 1 0 0 0 2 Strong grey metal and post girdles, with water 4 1 0 Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 0 3 COAL, good 1 8 Strong rey metal 1 4 0 Band 0 3 COAL, good 2 4 0 COAL, good 2 10 Band 0 3 COAL, good 2 10 Band 0 0 0 2 Strong grey post girdles, with water 4 1 0 Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 0 3 COAL, good 0 3 COAL, good 0 3 COAL, good 0 3 COAL, good 0 3 COAL, good 0 3 COAL, good 0 4 7 Total 74 3 4	0041	0	$0_{2}^{1}$										
Fine close thill (a ring crib laid 8 ins. into it, remainder of thill 1 fathom) 1 0 8 Grey metal, with ironstone balls scared with post 1 0 0 0 Coarse grey whin girdle Strong post girdles, with metal partings 2 3 0 White post, with metal partings 2 3 0 Vard Coal Seam—  COAL, top, Ft In. good 2 10 Band 0 3 COAL, bototom, tender 1 2 ——————————————————————————————————				6	3	2		<b>2</b>	1	0			
crib laid 8 ins. into it, remainder of thill 1 fathom) 1 0 8   Grey metal, with ironstone balls scared with post 1 0 0   Coarsegrey whin girdle Strong post girdles, with metal partings 2 3 0   White post, with metal partings 3 3 0   White post, with metal partings 2 3 0   Yard Coal Seam—  COAL, top, Ft In. good 2 10   Band 0 3   COAL, bottom, tender 1 2   —————————————————————————————————	Fine close thill (a ring							0	1	10			
Tethom)	crib laid 8 ins. into						, ,				9	0	4
Tathom	it, remainder of thill						Thill	0	1	8			
Post	1 fathom) 1	. 0	8					6	3	2			
stone balls scared with post 1 0 0 0 Coarse grey whin girdle 0 1 2 Strong post girdles, with metal partings 3 3 3 0 White post, with metal partings 2 3 0 Yard Coal Seam—  COAL, top, Ft In. good 2 10 Band 0 3 COAL, bottom, tender 1 2	Grey metal, with iron-							0	3	10			- *
Coarse grey whin girdle 0 1 2 Strong post girdles, with metal partings 3 3 0 White post, with metal partings 3 3 0 White post, with metal partings 2 3 0 Yard Coal Seam—  COAL, top, Ft In. good 2 10 Band 0 3 COAL, bottom, tender 1 2	stone balls scared							Ū					
Strong post girdles, with metal partings	with post 1	-					COAL, good 0 8						
with metal partings         3         3         0           White post, with metal partings          2         3         0           Yard Coal Seam—         COAL, top, Ft Ingood          2         10         Blue metal          1         3         7         3         7           Band          0         3         2         8         COAL, botters, botters, bother tom, tender         1         2         4         3         9         0         1         2         8         COAL          0         0         6         0         0         0         8         COAL          0         0         0         0         6         0	Coarse grey whin girdle	1	2				Band 0 1						
White post, with metal partings 2 3 0  Yard Coal Seam—  COAL, top, Ft Ingood 2 10  Band 0 3  COAL, bottom, tender 1 2							COAL 0 2						
Partings 2 3 0   Yard Coal Seam—		3	0					0	0	11	_		-
Strong blue metal   1   5   0   0   0   0   0   0   0   0   0		_									7	3	7
COAL, top, Ft In. good 2 10  Band 0 3  COAL, bottom,tender 1 2	1	3	0				Grey thill (king crib	_					
Strong whin girdle   0 0 7													
Band 0 3  COAL, bottom,tender 1 2  ——————————————————————————————————	COAL, top, Ft In.							-	_				
Strong blue metal	good 2 10												
tom,tender 1 2	Danu U 5									_			
Strong blue metal 1 5 0							COAL	U	U	O			6
Strong blue metal 1 5 0 0 2 1 Strong grey post girdles 0 3 0 Strong grey metal and post girdles, with water 4 1 0 Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 2 4 0 COAL, coarse 0 6 Band 0 3 COAL, good 0 1 0 Black stone 0 0 3 COAL, good 0 1 0 Strong grey metal 1 4 0 Black stone 0 0 0 3 COAL, good 0 1 0 Total 74 3 4			9				73.33	_	1		_	, 0	U
Strong blue metal 1 5 0		<i>)</i> 4	9	O	Λ	1		U	4	U			
Coal parting        0       0       2         Soft thill        1       0       0       2         Strong grey metal and post girdles, with water        4       1       0       COAL, good        0       1       0         Note.—Cistern stands upon white post girdles, which carries set of pumps.          3       3       7         Strong white post       2       4       0       0       3       5         COAL, coarse 0       6       Band        0       0       3       3       7         COAL, good       1       8         0       0       3       COAL, good—Main       Coal Seam        0       4       1         COAL, good       1       8         0       4       7          6       4       1         COAL, good       1       8	Ct Man model			9	U	1		0	9	Λ			
Soft thill 1 0 0  Strong grey metal and post girdles, with water 4 1 0  Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 2 4 0  COAL, coarse 0 6  Band 0 3  COAL, good 1 8								U	J	U			
Strong grey metal and post girdles, with water 4 1 0  Note.—Cistern stands upon white post girdles, which carries set of pumps.  Strong white post 2 4 0  COAL, coarse 0 6 Band 0 3  COAL, good 0 1 0  Dark thill, like a band 0 3 5  Grey post, with metal partings 3 3 7  Strong grey metal 1 4 0  Black stone 0 0 3  Ramble 0 0 3  COAL, good—Main  Coal Seam 0 4 7  Total 74 3 4								9	٥	0			
Dark thill, like a band   O   3   5		. 0	U						-	_			
Dark thill, like a band   0   3   5	nost girdles with						COAL, good					3 2	0
Note.—Cistern stands         upon white post girdles, which carries       Grey post, with metal         set of pumps.       3 3 7         Strong white post 2 4 0       Strong grey metal 1 4 0         Black stone 0 0 3       Ramble 0 0 3         COAL, good 1 8       Coal Seam 0 4 7         Coal Seam 0 4 7       Total 74 3 4	post gridles, with	. 1	0						0	ب	_		
upon white post girdles, which carries set of pumps.  Strong white post 2 4 0  COAL, coarse 0 6 Band 0 3  COAL, good 1 8		. 1	U					U	3	5			
dles, which carries set of pumps.  Strong white post 2 4 0  COAL, coarse 0 6  Band 0 3  COAL, good 1 8	unon white nost oir-							0	9	77			
set of pumps. Strong white post 2 4 0  COAL, coarse 0 6 Band 0 3  COAL, good 1 8							partings			-			
Strong white post 2 4 0  COAL, coarse 0 6  Band 0 3  COAL, good 1 8													
COAL, coarse 0 6 Band 0 3 COAL, good 1 8		2 4	0										
Band 0 3 Coal Seam 0 4 7 — 6 4 1			,				Kamble	U	U	9			
COAL, good 1 8 6 4 1 6 4 1 74 3 4							COAL, good—Main	0	1	7			
	2500100 111						Coat Seam	U	-11	•	_		1
10 0 7 Total 74 3 4		0 2	5								0	4	
	-			10	0	7					_		
Carried forward 43 1 10							Total				74	3	4
	Carried forw	ard		43	1	10	1				=		

Depth is really 76 fathoms 1 foot.

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 2,323.—WOODHOUSE CLOSE.

#### TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

An Account of the Strata sunk through in the South Pit at Woodhouse Close Colliery.

Recommenced December 2nd, 1850.

Cl. f	Fs.	Ft.	In.	Fs.	Ft.	In.	Dunnaht fannand	Fs.	Ft.	In	Fs.	Ft.	In.
Sunk formerly, $12\frac{1}{2}$							Brought forward	12	Э	1	2 17	Э	4
feet pit from level							Yard Coal Seam-						
of settleboards, in-			_				Ft. In.						
cluding outset	15	4	2				COAL, top 1 8						
Grey metal, with post							Band 0 5						
girdles	1	0	0				COAL, bot-						
Strong white post							tom 1 2						
girdle	0	2	<b>2</b>					0	3	3			•
Dark blue metal	0	0	10				•				13	2	41
Strong grey post	0	1	3				Soft thill stone	2	0	6			-
Dark grey metal	0	1	8				Strong grey metal,	_	•	U			
COAL, splint	0	0	4				with ironstone balls	4	Λ	11			
, sp			_	17	4	5		4	U	TT			
				17	4	อ	Strong grey metal,	^		4			
Thill stone	0	0	10				with post girdles	0	4	4			
COAL, good	0	0	1				Strong white post,	_	_	_			
, 0				0	0	11	with water	<b>2</b>	3	8			
D 111 (1	_	_	_	·	٠		Ft. In.						
Dark blue metal	0	0	8		-		COAL, soft 0 10						
Strong grey metal	0	1	3				Band 0 5						
Soft blue metal	0	0	4				COAL, bottom 1 8						
White post	0	0	1 1	-				0	2	11			
Strong grey metal,											10	0	4
scared with post	0	1	9	}			Thill, mixed with iron-						
Grey metal (pit only			_				1 . 1 11	Λ	4	0			
8½ feet from here)	0	1	5					0	4	U			
Strong grey post	0	0	6				Grey metal, with post	1	^	`.			
Strong grey metal,							girdles	1	0	4			
with post	1	0	4				COAL, splint	0	U	4			0.1
Strong coarse grey	_	·	_								1	4	81
	0	1	5				Grey metal	0	2	6			
Dark blue metal, with	U	-	J				White post girdle						
							(ring here)	0	4	0			
ironstone balls (ring	0	=	2				Thill stone	0	1	1			
near top of metal)	2	5					COAL, soft (one $2\frac{1}{2}$	·	-	_			
Soft white thill	0	0	<b>2</b>				feet length of tim-						
Dark blue metal, with	_		_				0	0	0	5			
ironstone balls	1	1	7				ber, one crib)	U	U	J	1	2	0
Fine close thill, with											Т	4	U
ironstone balls	1	0	<b>2</b>				Hard thill	0	4	0			
Grey metal, with iron-							Blue metal, mixed with						
stone balls	1	0	8				large ironstone balls,						
Grey metal, with grey							walling commences						
whin balls	1	1	0				3 ft. 1 in. from top	4	5	0			
Strong grey metal,							Fine black stone	0	2	6			
scared with post	2	0	0				Strong rough thill,						
Strong whin post, with		-	-				mixed with iron-						
metal partings	1	0	6				stone balls	0	3	0			
Proceedings	_	~	-				and build	•		•			
			_							_			_
Carried forward	12	5	$1\frac{1}{2}$	17	5	4	Carried forward	6	<b>2</b>	6	44	2	9

# No. 2,323.—WOODHOUSE CLOSE.—CONTINUED.

Brought forward					Ft. 2	In. 9	Fs. Ft. In. Fs. Ft. I Brought forward 1 2 6 63 3 1
Strong post, mixed with ironstone gir-							Strong grey metal, with ironstone gir-
dles and metal							dles 0 4 6
partings	2	4	O				Blue metal 0 1 0
Strong white post	1	5	0				COAL (sunk through
COAL, strong		1	8				July 4th, 1851) 0 0 6
, ,				11	1	2	2 2
Thill	0	1	0				Thill 0 3 0
Strong rough white							Strong grey metal 1 1 0
post	7	4	0				Blue metal 1 3 0
Ft. In.							COAL 0 1 0
COAL 0 7							3 2
Band 0 3							Dark thill 0 2 6
COAL 0 2							Strong white post 3 3 6
	0	1	0				Strong grey metal 1 4 0
			_	8	0	0	COAL-Main Coal
Thill	0	1	6				Seam 0 4 9
Blue metal		1	0				6 2
			_				
Carried forward	1	2	6	63	3	11	Total 75 5

# No. 2,324.—WOODHOUSE CLOSE.

TOWNSHIP OF BISHOP AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39′ 31", Long. 1° 41′ 15".

Strata bored through in the South east corner of the Field to the South east of West Mill Dam, by Mr. W. Coulson. July, 1857.

	Fs. F	t. In	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1 0				Brought forward 5 5 8 15 1 9
Gravel	1	0 0				The Total
Blue clay Gravel, with water	9	0 0				COAL 0 6
Gravel, with water	1	0 0				Dark grey me-
Quicksand, with water	0	2 0				tal band 0 10
Dark loamy sand,						COAL 2 6
mixed with coal	0	5 0				
Sand and gravel, with						0 3 10
water	1	1 10				6 3 0
Grey metal						
COAL, with danty						Grey metal thill 0 4 0 Light grey metal 1 3 9
partings	0	1 0				Light grey metal 1 3 9
I				1	9	Grey metal 0 1 6
Black metal, with coal					-	COAL, with black
pipes	0	2 0	,			slate partings $0   2   6\frac{1}{2}$
Grey metal, with post	Ü					2 5 9
girdles	5	3 8	:			Into grey metal thill 0 2 6
5 maics						
Carried forward	5	5 8	15	1	9	Total 25 1 6
Carried 101 ward			-0	-	J	

### No. 2,325.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Strata bored through in No. 1 Hole, 2,310 links South 72½ West of South Pit, Woodhouse Close Colliery, by Mr. William Coulson, jun. Commenced July 24th, 1861; finished September 12th, 1861.

Soil	•		In. 10	Fs.	Ft.	In.	Duought forward	Fs.	Ft.	In.			
							Brought forward	10	Т	4	5	1	8
Brown stony clay	1	0	8				Dark grey metal, very	_	_	_			
Soft gravel, with a							dark the last foot	0	5	8			
little water	0		0				Grey post, with metal						
Brown clay	0	1	2				partings	1	3	10			
Blue stony clay	0	2	0				Hard brown whin (11						
Soft jointy metal, with							days boring)	0	0	8			
small balls of iron-							Strong grey post	0	2	4			
stone	1	2	3				Grey metal, with post						
Strong brown metal,	-	_	•				girdles	2	3	1			
with balls of iron-								õ	1	3			
	^		^				Strong grey post	U	1	3			
stone	0	2	0				Grey metal, with post	_	_	_			
Grey post	0	2	6				girdles	3	2	9			
Blue metal	1	0	10				Hard brown whin (2						
COAL, slaty, with							days boring)	0	1	3			
water	0	0	5				Grey metal, with post						
				5	1	8	girdles	2	5	8			
Black metal	0	1	4				Dark grey metal, with		•	_			
Grey metal	ŏ	î	$\dot{\hat{2}}$				scares of coal	0	0	6			
	ő	2	2					ő	4	8			
Grey post		5	$\frac{2}{9}$					U	-38	0			
Grey metal thill	0	Э	9				Mild white post, with			_			
Dark grey metal, with	_	_	_				metal partings	1	1	0			
scares of coal	0	0	6				Grey metal, with iron-						
Grey metal	0	1	0				stone balls	1	<b>2</b>	0			
White post, with metal							White post	1	1	6			
partings	0	4	2				Dark grey metal		0	1			
Brown post, with water	0	3	0				COAL	0	0	7			
White post, with water	1		10							-	34	2	2
Dark grey metal	ō	$\bar{3}$	3					_	_	_		_	_
	U	U	J				Brass and dark shale			$6\frac{1}{2}$			
Grey metal, with post	6		11				COAL, danty	0	1	$3\frac{1}{2}$			
girdles	2		11								0	1	10
Dark grey metal	1	0					Coft has an atal thill	Λ	4	8			
Strong grey post	0	1	9				Soft brown metal thill	0	4.	0			
Grey metal	0	4	0				Blue metal, with post	_	_	_			
Strong grey post, very							girdles	1	1	7			
hard	0	2	4				Black metal	0	0	10			
Dark grey metal	0	4	6				Grey metal, with black						
Grey metal, with post	•	-	0				scares	0	3	0			
111	0	5	4				Strong white post, with						
		2					metal partings	Λ	4	1			
Strong white post	1	Z	0				Into dark grey metal						
Dark grey metal, with	_	-	_				Into dark grey metal	U		<b>T</b> 2	2	9 '	e1
balls of ironstone	<b>2</b>	1	9						_		3	3 '	05
Grey metal, with iron-													
stone girdles	0	5	3							٠.			_
Carried forward	16	1	4	5	1	8	Total				43	3	21
Carried forward	10	1	4	υ	1	0	lotal		•••		10	<u> </u>	23

# No. 2,326.—WOODHOUSE CLOSE.

#### TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in No. 2 Hole in Cabin Gate Field, course from Woodhouse Close North Pit, South 69\(^3\) East and distance 2,140 links, by Mr. W. Coulson, Jun. Commenced September 23rd, finished November 23rd, 1862.

				Fs.	Ft.	In.	7) 1.0	Fs.	Ft.		Fs.	Ft.	In.
Soil	0	1	0				Brought forward 3	66	T	8			
Blue stony clay		3	6				Strong white post,	•		~			
Sand, with a little water	0	2	0					2	4	2			
Blue stony clay	0	4	0				COAL, danty	0	0	9			
Brown stony clay	4	3	0				_				39	0	7
Soft rubbly water	0	1	3				G 64 4-141-11	^	_				•
White post "	0		10					0	5	8			
Strong grey metal	1	<b>2</b>	9				Blue metal, with post	_					
Strong white post, with							0	0	4	0			
metal partings and							Dark grey metal, with	_		_			
a little water	ŏ	U	1				black scares	0	4	6			
Dark grey metal	0	1	2				Light grey metal	1	2	8			
Grey post	0	4	0				Strong dark grey metal			0			
Grey metal, with post							COAL	0	0	6			
girdles	3	0	0				_				4	1	4.
Dark blue metal	ĩ	5	7								_	-	- 10
Dark grey metal	ō	5 5	ö				Soft brown thill, bored	_		_			
Light grey metal thill	ŏ	3	ŏ				with wimble	0	0	9			
Strong grey post, with	U	U	·				Strong grey metal, in-						
	1	0	0				clining to post		1				
Blue metal, with post	1	v	U				COAL, soft danty	0	0	10			
	2	5	6				COAL, soft slaty	0	0	7			
girdles	4	อ	U								0	3	9
Grey post, with metal	2	0	0								U	U	·
partings	2	U	U				Blue metal, with post						
Strong blue metal, with		ب	o,				girdles	1	5	10			
threads of post	3								<b>4</b>				
White post girdle	0	1	6				Blue metal	2	0	<b>2</b>			
Black metal, mixed	_	^	_				Dark grey metal	$\sim$	4	6			
with coal	0	2	0				Strong grey post	1	0	6			
Light grey metal thill	1	0					later of Bright I				6	9	10
Blue metal		4					1				U	o	10
Strong grey post	0	5	0								_		
	_						Total				50	3	6
Carried forward	36	1	8				, 10001			-	_	_	_

# No. 2,327.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in No. 6 Hole, Woodhouse Close.

													_
				Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.		In.
	0	1	6				Brought forward				42	1	.8
	11	2	6				Dark grey metal thill	0	0	1			
COAL, with water	0	1	3				Light grey metal	0	<b>2</b>	5			
	-			11	5	3	Black metal, with						
White post, with metal							scares of coal	0	1	<b>2</b>			
partings and water	1	4	1				Light grey metal	0	0	4			
Grey metal	0	3	3				Hard white post, with						
COAL	0	0	7				metal partings	2	5	-8			
	_			<b>2</b>	1	11	(Lost the feeder of						
Grey metal, with post							water at a parting						
girdles	0	4	2				when 1 fathom into						
Hard white post, with							the post.)						
water	0	3	5				Black metal, mixed						
Grey metal, with post							with coal and brass	0	0	8			
girdles	4	2	8				Dark grey metal, with						
Light grey metal	1	2	0				post girdles	3	0	1			
Black metal, mixed							COAL	0	Õ	8			
with coal	0	2	5							_	6	5	. 1
Light grey metal	ō	2	2				Grey metal thill	0	1	10	•	•	_
White and grey post,		_	_				Grey metal	ō	4	6			
with metal partings	1	2	3				Grey post, with metal	Ŭ	_	•			
Grey whin, mixed with	-	~	Ü				partings	1	1	9			
	0	4	2				Hard white post	î	2	2			
Soft black metal	ő	i	$\bar{2}$				Soft grey metal	ō		10			
Mild grey post	ŏ	i	4				CONI	ŏ	õ	2			
	0	0	2				COAL			4	4	1	3
COAL	U	υ.	4	10	1	11	Grey metal	0	^	4	*	T	9
White and may post				10		11	0001	0	0	5			
White and grey post,	1	Ω	1				COAL	U	U	9	0	0	^
with metal partings	1	0	1				Stuana array most	1	•	4	U	U	9
Grey metal, with post	1	9	9				Strong grey post		2				
girdles	$\frac{1}{0}$	$\frac{3}{1}$	0				Very hard white post	0	2	11			
Black metal	U	1	U				Soft dark grey metal,						
Light metal, with hard		4	4				with thin post part-	0		0			
post girdles	4	4	4				ings	2	2	8			
Grey metal, with post							Soft light metal, with						
girdles, dark metal							a 5 in. whin girdle	-					
partings, and scares			0				near the top	1	2	6			
of coal	4	3	8				Soft dark metal, with						
Strong grey post, with		-					thin post girdles						
soft metal partings	2	1	4				mixed with a little			^			
Strong light grey	_	_					coal at the bottom	1	1	0			
metal	1.	2	6				Mild grey post, with						
Hard grey post	0	4	6				soft metal partings	_	_				
Soft light metal	0	4	9				and hard post girdles	5	5	1			
COAL, danty partings	_	_	_				Mild dark grey post,						
and much brass	0	<b>2</b>	8				with very hard white						
				17	4	7	post panels 2 inches						
							thick	<b>2</b>	2	9			
									_	-			-
Carried for	varo	i		42	1	8	Carried forward	15	1	3	53	2	9

# No. 2,327.—WOODHOUSE CLOSE.—CONTINUED.

Brought forward		Ft.					Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Hard white and grey		·					Strong light metal	•	•	•	•0	-	-
post, with thin metal							with a green shade,						
partings at the top							a post girdle near						
and soft post part-							the top, and an iron-						
ings at bottom, with		•					stone ball near the						
coal pipes	9	2	3				bottom	1	4	10			
COAL, danty		õ					Dark grey metal, with	1	4	10			
oone, danty		-	11	24	4	5	coal pipes and a foot						
Dark metal	0	0	1	ω.τ	T	9	of grey post at the						
Brown metal	_	1						1	1	^			
	U	т	1	0			bottom	T	1	U			
Brown metal, with	Ω	Λ	0				Into hard duffy white	0	4	10			
	0		9				post	U	4	10		_	
Soft grey metal	0	1	9							_	4	<b>2</b>	4
0 110 1	_						m						_
Carried forward	0	3	8	<b>7</b> 8	1	2	Total		• • •	-	82	3	6
							1			_			_

### No. 2,328.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. Long.

Strata bored through upwards on the Old South Engine Plane at about 300 yards from the North Pit, Woodhouse Close Colliery, reckoning from the bottom of the Main or Brockwell Seam, by Messrs. W. Coulson and Sons. Begun 31st August, 1874; discontinued 7th November, 1874. [Section should read upwards.]

Into hard grey post Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 10 3 6
Busty Seam— Ft. In.	Grey metal 0 2 4
COAL 0 31	Grey post 0 5 6 Grey metal 1 3 9
Band $0  0^{\frac{1}{2}}$	Grey metal 1 3 9
COAL 1 2	Ft. In.
Splint 0 6	COAL 0 11
COAL, coarse 0 3	Band 0 2
0 2 3	COAL 0 2
1 2 3	
Dark metal 0 0 4	0 1 3
Grey metal 0 1 0	3 0 10
Hard white post and	Grey metal 0 1 9
grey girdles 2 1 10	2 2 10
Grey post 0 1 0	Hard white post 3 2 10
J. I	Donal manda from
	Bored upwards from
	here:—
	Blue metal, fallen 0 4 4
Grey metal, with grey	COAL—Main Coal
post girdles 2 4 10	or Brockwell Seum 0 4 10
CÔAL 0 0 6	5 1 9
2 5 4	
	m · 1 10 0 1
Carried forward 10 3 6	Total <u>19 0 1</u>
	ВВ
	дд

# No. 2,329.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in No. — Hole, near to Dam Head, Woodhouse Close Colliery, by Messrs. Wm. Coulson and Son. Commenced November 23rd, 1874; discontinued April 7th, 1875.

Soil	Fs. 0	Ft.	In. Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. Brought forward 25 4 10
Gravel, with water	4	3	0			Dark grey metal 0 0 3
Sand and water	1	3	0			Strong grey metal,
Gravel	0	2	0			with post girdles 3 4 10
Sand and gravel	0		10			Mild white post (the
Grey metal	0	<b>2</b>	4			water went away
White post, with a		_	2			2 feet into this) 2 1 0
little water	3 1	0	$rac{2}{2}$			COAL 0 0 3
Grey metal COAL — Brockwell	1	1	Z			6 0 4
Seam	0	4	$0\frac{1}{2}$			Grey metal 3 0 10
Seam	-	-#	$-\frac{0}{2}13$	1	$6\frac{1}{5}$	COAL. coarse 0 8
701				1	$0_{\overline{2}}$	COAL, coarse 0 8 Dark brown
Blue metal	0	3	8			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Light grey metal	0	4	0			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
White post and metal girdles	0	_	0			5 6 <sub>2</sub> 0 1 6
TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$0 \\ 1$	5.	6		-	3 2 4
Blue metal	0	5	8			
Hard post	0	2	$9\frac{1}{2}$		•	Dark grey metal 0 0 8 Grey metal 1 1 6
Dark grey post	5	2	$\frac{\sigma_{\overline{2}}}{3}$			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Light grey metal, with	Ü	4	J			1771 11
black bands	2	1	2			1 0 0
Ft. In.	_	-	-			Grey metal and post
COAL 0 5						girdles 3 0 2
Grey metal band 0 7						COAL, with slate
COAL, danty 0 9						partings $0 0 7\frac{3}{4}$
Black metal,						9 4 63
with coal						D 1
pipes 0 6						White post 1 4 0
	0	2	3			Grey metal 4 0 7
	v	_	_		0.1	Into whin stone 0 0 11½
			<b>—</b> 12	3	$3\frac{1}{2}$	5 5 11 <sup>1</sup> / <sub>4</sub>
Carried for	uro w	d	25	1.	10	Total 51 0 0
Carried tor	war	u	23	4	10	Total 51 0 0

# No. 2,330.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

#### Strata taken in the Old Landsale Pit, Woodifield Colliery.

Outset and walling	Fs.	Ft. In. Fs. Ft. In.	Brought forward	Fs. 1	Ft. 2		Fs. 10		
Brown and grey post	î	0 10	Grey metal	ō	2	6	10	v	1 2
Blue and brown metal	ō	4 9	Grey metal	ŏ	õ	7			
Ft. In.	U	T 3	Grey post	ŏ	ĭ	8			
COAL 1 0			Dark metal	0	ō	9			
Band 0 7			COAL—Five-Quarter	•	Ü	·			
COAL 2 7			Seam	0	4	2			
	0	4 2					3	0	1
		<b>—</b> 4 1 5	Seggar clay, with no-			-	•		_
Grey metal	0	$0.5\frac{3}{4}$	dules of ironstone	1	0	7			
Black metal	0	$0 - 6\frac{3}{4}$	Light grey post	î	2	5			
Grey metal	0	2 10	Grey metal	ō	3	7			
COAL	0	0 9	Very hard grey sand-	-		•			
		$ 0 4 7\frac{1}{5}$	stone	0	2	5			
Seggar clay	0	0 9	Post, with metal part-						
Light blue metal	0	$1 \ 2\frac{1}{2}$	ings	0	4	5			
Light grey post	0	4 $10\frac{1}{2}$	Grev metal	1	3	0			
Grey metal	0	0 8	COAL	0	2	$2\frac{1}{2}$	-		
Grey post	0	1 7			<u>.</u>		6	0	71
Grey metal	0	$1  6\frac{1}{2}$	Dark grey metal	0	1	4	}		-
Grey post	0	1 6 .	Post, with metal part-			•	•		
Grey metal	0	$1 \ 11\frac{3}{4}$	ings	4	5	4			
Grey metal	0	1 4	Dark grey metal, with						
Grey post, with metal			thready layers and						
partings	0	$2 \ 10\frac{1}{2}$	nodules	1	1	6			
Grey metal	0	$0.5\frac{1}{4}$	Ft. In.						
Strong grey metal	0	1 7	COAL 2 2						
Grey post	0	2 9	Band 0 6						
Blue metal	0	3 1	COAL 4 4						
Grey post	0	$2  0^{1}_{2}$	Splint 0 2	-	-				
Dark metal	0	$0  ext{ } 4\frac{1}{2}$		1	1	2	17	9	41
COAL	0	2 0	,	_	2	0	7	o	$4\frac{1}{2}$
	_	5 0 7	Seggar clay	0	Z	U			
Dark grey metal	0	$2  0\frac{1}{2}$	Seggar clay, with no-	-	0	4			
Dark grey metal, with			dules of iroustone	1	U	4	1	2	4
nodules of ironstone	0	0 . 6					1	4	32
Brown post	0	$5 \ 10\frac{1}{2}$							
		2 7 10 0 7	Total				28	1	$0\frac{1}{2}$
Carried forward	1	$2  5  10  0  7\frac{1}{2}$	Total		•••	_		=	
			•						

#### No. 2,331.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Royalty of G. Wilkinson, Esq., Mown Meadows, by Mr. W. Coulson. December, 1839.

Approximate surface level

feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 1 9
Soil	U	1	U				
Clay, stones, and yellow							Grey metal, with post
clay ,,, (	)	4	0				girdles and water 4 4 0
Strong brown stony							CÖAL 0 2 0
clay	4	<b>2</b>	0				5 0 0
Brown post, with water	l	5	9				Grey metal, with post
Strong white post	L	0	0				girdles 3 0 0
White post, with metal							White post 3 0 0
partings and water	1	Λ	q				Gray post 1 3 0
Commental .	`	9	0				Grey post 1 3 0 Grey metal 0 3 0
Grey metal							Grey metal 0 5 0
Dark grey metal (	,	0	6				Dark grey metal 0 3 0
Five-Quarter Seam—							Main Coal Seam—
Ft. In.							Ft. In.
COAL 2 7							COAL 2 8
COAL, splint 0 9							Dark band 0 3
COAL 0 5							COAL 4 4
	)	3	9				
	,	9	9		-	_	F
				10	1	9	1 1 7
							9 4 7
Carried forwa	ırc	1		10	1	9	Total 25 0 4

#### No. 2,332.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42′ 42″, Long. 1° 45′ 7″.

Strata sunk in the B Pit, Woodifield Colliery. Begun to sink September 11th, 1843; finished November 8th, 1843.

Soil		Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 4 1 7
Marly clay		3					Grey metal 0 3 4
Grey metal	0	4	9				Dark grey metal 0 3 0
Fire-Quarter Seam-							Very dark grey metal 0 2 0
Ft. In							Light grey post 0 2 0
COAL 3 1							Dark grey metal 0 0 1
Band 0 1							COAL 0 1 111
COAL 1 7							2 0 4
•	0	4	9				Grey metal 1 1 0
				4	1	7	White post $0  ext{1}  ext{1}  ext{1}$
Carried for	war	d		4	1	7	Carried forward 1 2 1 2 6 1 11 2

# No. 2,332.—WOODIFIELD.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 1 2 1 6 1 11 1 2	
Dark grey metal $0 \ 0 \ 3\frac{1}{2}$	Grey metal 0 2 0
White post $0 2 7\frac{1}{2}$	Whin and ironstone 0 0 10
Dark grey metal,	Ft. In.
mixed with post 0 4 10	COAL 0 10
Grey and white post,	Grey metal 1 0
with metal near the	COAL 4 1
bottom 2 3 2	Splint 0 2
White and grey post 0 2 2	1 0 1
Post, with metal part-	1 2 11
ings $0.57\frac{1}{2}$	Seggar clay $0  ext{ } 1  ext{ } 8\frac{1}{2}$
White and grey post 0 1 4	Seggar clay, with
Dark grey metal 0 2 10	nodules of ironstone 0 5 3
COAL 0 2 2	Seggar clay 0 0 6
7 3 2	Into post 0 0 6
	1 1 111
	1 1112
Carried forward 13 5 11	Total 16 4 0
Curricu Isr ward 10 0 19	111 111 111 111

# No. 2,333.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through at Woodland Colliery.

		D. D. T. D. Te Y
Surface (clay and soil) 2 1 8	n.	Fs. Ft. In. Fs. Ft. In. Brought forward 12 3 4
		0041
Blue metal, with iron		
girdle (18 ins.) 1 3 0		1
COAL, soft 0 0 2		Strong white post 0 1 6 Strong grey whin 0 1 5
Yellow clay 0 0 2		
Grey post 3 0 6		Leafy post 2 0 3
Blue metal 0 2 4		Dark blue metal 0 4 1
Grey post 0 1 0		Iron girdle 0 0 7
Blue metal 1 2 6		Dark blue metal 0 1 2
COAL 0 2 0		Leafy post 0 2 10
Fire clay 0 1 1		White post 0 1 9
Blue metal 0 4 6		Leafy post 0 1 5
Strong grey post 0 3 6		Strong grey post 2 0 11
Blue metal 0 1 11		Leafy post 0 3 0
Strong grey post 0 1 5		COĂL, metal 0 2 0
Five-Quarter Seam—		Blue metal 0 4 0
Ft. In.		Main Coal Seam-
COAL, top 0 4		Ft. In.
Band 0 5	- 1	COAL, top 2 8
COAL 3 10	1	Band 0 4
- 0 4 7		COAL, bot-
12 0	4	tom 3 1
		1 0 1
COAL, parrot 0 0 4	0	11 1 0
0 3	_	
Carried forward 12 3	4	Total 23 4 4
Carried forward 12 3	#	10001 111

# No. 2,334.—WOOLEY.

#### TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat.  $54^{\circ}$  44' 26'', Long.  $1^{\circ}$  43' 21''.

Section of Strata sunk through at Wooley Pit, Pease's West Colliery. August, 1864.

Approximate surface level 700 feet above sea (Ordnance datum).

a !!				. Fs	. Ft	. In.	D 146	Fs.	Ft.	In.			
Soil	0	1					Brought forward	•		_	27	1	6
Yellow clay	1	1	0				Fire clay	0	1	0			
Rubble freestone, with	_	_		-			Grey post, with water	0	2	8			
girdles	1	3					Grey metal, with post						
Strong grey post	3	3	6				girdles	2	0	10			
Blue metal	3	2	6				COAL	0	0	8			
Black stone	0	0	6			-					2	5	2
COAL	0	1	6				Fire clay	0	1	6	_		_
	_			10	1	0	Grey leafy post, with	Ŭ	•	·			
Samon	1	0	0	10	-	U		0	2	6			
Seggar		0						U	4	U	-		
COAL, jet	0	_	4				Strong grey post,			^			
Band	0	0	2				mixed with whin	1	2	0			
COAL	0	0	2	2			Blue metal	0	0	9			
				1	0	9	Brown whin girdle	0	2	3			
Seggar	0	1	0				Blue metal	.1	1	7			
Grey metal, with post							Strong grey metal, with						
girdles	1	5	1:	Ĺ			post girdle	1	5	0			
Strong post girdles	ō	3	-6	2			Dark blue metal, with	_		Ť			
Grey metal, with post	·	•	0				ironstone bands	2	2	7			
	1	3	c				COM	õ	õ	8			
girdles	1		6				COAL	U	U	0	0		70
Black stone	0	5	4				l a		_	_	8	U	10
COAL	0	U	10		_		Seggar	0,	3	0			
				5	1	$3\frac{1}{2}$	Grey metal, with post						
Fire clay	0	<b>2</b>	6				girdles	<b>2</b>	5	8			
Black stone	0	2	1				Blue metal '	0	1	8			
COAL	0	1	8				Black stone	0	0	6			
				1	0	3	Seggar	0	0	6			
Black stone	0	0	8	_		•	COAL	Õ	2	7			
132 1	ŏ	4	0								4	1	11
	·U	-30	U				Black stone	0	0	6	T	-	11
Grey metal, with iron	-	0	11				-		3	6			
girdles	1	3	1]				Seggar	0					
Fire clay	0	1	8				Grey post	0	2	0			
Black stone	0	2	- 4				Grey metal	0	2	2			
COAL	0	0	-1	5			COAL	0	0	2			
				3	1	3	-				1	2	4
Seggar	0	2	4				Seggar	0	2	7			
Black stone	0	0	3				Whin girdle	0	1	0			
Seggar	ō	0					Grey metal	0	4	6			
Grey metal, with water	ĭ	ŏ	6				CON	ŏ	ô	ĭ			
	1	U	U				COAL	U	U	-	1	2	2
Grey metal, with post	^		0				Common	Δ.	2		1	2	
girdles	0	4	2				Seggar	0	_	6			
Black stone	0	2	0				Grey metal	1	2	2			
COAL	0	0	3				Blue metal	0	3	8			
				2	4	$5\frac{1}{2}$	COAL	0	1	11			
Grey metal, mixed with						_	•			_	2	4	3
post girdles	3	4	0				Seggar	0	0	10			
Black stone	Õ	õ	3				COAL	0	0	6			
COAL	ŏ	ŏ	3							_	0	1	4
	_			3	4	6						-	-
				0	45	U							
		_								-			_
Carried for	war	d		27	1	6	Carried forv	ard	i	4	18	1	6
								-					

### No. 2,334.—WOOLEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 48	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 4 3 52 4 4
Seggar	0	2	5		-	.,	COAL—5/4 or Bottom
Grey metal, with iron-	·	_	0				
stone bands	0	2	4				
701 1 1	ő	_	10				
COAL	0	0	2				Coarse seggar 0 2 7
COAL	U	υ	4	-		0	White grey post 6 3 0
a				1	0	9	Grey metal 1 2 5
Seggar	0	1	0				COAL-3/4 or B Seam 0 1 5
Strong grey metal,							8 3 5
mixed with strong							Seggar 0 2 0
post	<b>2</b>	5	2				Grey metal, with iron-
Blue metal	0	0	6				stone bands 1 2 0
COALBallarat or							COAL 0 0 3
Top Busty Seam	0	1	5				1 4 3
1 0				3	2	1	Seggar 0 1 6
Seggar	0	3	0				Strong grey metal,
Grey post	ō	4	3				with post girdles 0 5 10
Blue metal	ŏ	$\tilde{2}$	ŏ				Strong grey post 1 0 0
Grey metal, with post	·	~	·				Leafy post 0 1 0
girdle	0	9	2				Grey post, with metal
****	ő	$\frac{2}{1}$	2 5				
	0	1	0				m' il
Grey leafy post	U	T	U				COAL — Brockwell
Grey metal, with post	^	-					
girdle	0	1	0				Seam 0 3 8
Blue metal	0	1	0				11 3 (
Black stone	0	0	5				
Carried forward	2	4	3	52	4	4	Total 77 3 4

# No. 2,335.—WOOLEY.

# TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

 $Strata\ bored\ South-west\ of\ High\ Wooley\ Farm\ House.$  Approximate surface level feet above sea (Ordnance datum).

quadratic constraints of the second s	Fs.	Ft.	In. Fs	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	10			Brought forward 0 5 3 31 4 6
	13	3	2			Grey post 3 1 0
Grey metal	2	2	9			Black stone 0 0 6
Black stone, mixed						Grey post, with water 3 5 6
with coal	0	2	0			Grey metal stone 1 1 6
Grey metal, with post						Ft. In.
girdles	0	3	0			COAL 2 7
Grey post	0	4	9			Band, grey
Grey metal			0			metal 0 9
Black stone, mixed						metal 0 9 COAL 0 5
with coal	0	2	10			0 3 9
Grey metal	0	1	6			9 5 6
Grey post	3	3 5 2	4			Dark grey metal, with
Brown post	0	5	6			post girdles 4 2 0
Grey metal stone	1	2	3			White post 1 1 2
White post, with water	6	4	4			Grey post 1 3 0
COAL	0	0	3			Dark grey metal 0 2 10
	_		<b>—</b> 31	4	6	COAL, good 0 2 6
Grey metal, with coal						7 5 6
	0	5	3			
F-F						
Carried forward	0	5	3 31	4	6	Total 49 3 6

# No. 2,336.-WOOLEY.

#### TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through at High Wooley, Second Hole, South of House near Burn which divides the Russels' property.

Approximate surface level

feet above sea (Ordnauce datum).

Class et a				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay, etc		2	0				Brought forward 6 1 7 33 1 11
Metal, etc	6	1					Whin 0 0 9
Metal and black stone		3					Metal stone and post
COAL	0	1	11				girdles 1 0 0
			_	9	2	1	COAL, strong 0 2 7
Metal, with coal	0	1	0				Metal stone 0 0 9
Dark metal, etc	7	1	6				COAL 0 0 5
Metal, etc., scared with							Metal and post 4 0 10
coal at intervals and							Whin 0 1 3
water	13	1	0				White post strong 1 1 0
Grey metal stone		ō					Dark metal, with post
COAL	ŏ		11				and whin girdles 1 1 11
				23	5	10	1 0 0
Grey metal, with post				20	J	10	1171 1
	0	=	Ω				
girdles	-	5 3	0				
White post	0	3	0				Metal stone 0 3 0
Grey metal and post	_		_				COAL 0 2 6
girdles	2		7				Blue metal 0 2 8
Whin	0	1	0				17 2 9
Grey metal, with post						•	
girdles, and grey							
metal scared with							
coal and metal stone							-
and post girdles	2	3	0				
1 8							
Carried forward	6	1	7	33	1	11	Total 50 4 8
341144 101 11414	3	-	•	-0	_		

#### No. 2,337.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Bored at Woolsington, about 120 yards to the North-east from the Hall. April 30th, 1759.

Approximate surface level

feet above sea (Ordnance datum).

Soil and brown clay Fs. Ft. In. Fs. Ft. In. St. Ft.	Brought forward 1 0 0 Sand mixed with clay, with water 0 1 6 Strong stony clay 9 0 0
	10 1 6
Carried forward $1 0 0$ .	Carried forward 10 1 6

# No. 2,337.—WOOLSINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 10	Ft.		Brought forward Fs. Ft. In. Fs. Ft. In. 15 3 7
Brown scamy ramble							Post girdle or lump 0 0 3
or metal, with white post girdles and							Grey metal 1 0 0
water	0	5	0				Blue grey metal 0 2 0
Bluemetal, with brown	Ü	U	U				Ft. In.
scames	0	2	0				COAL 2 8
Soft black metal	3	1	6				COAL, with
Grey metal	0	3	6				small black
COAL 0 9							danty scare
Black and grey							bands 0 8 COAL 1 2
metal, with							0 4 6
coal 0 10							2 0 9
COAL, foul 0 6							Into grey metal 0 0 8
<u> </u>	0	2	1				
	_			5	<b>2</b>	1	·
Carried forward				 15	3	7	Total 17 5 0
Carried forward				15	3	7	Total 17 5

# No. 2,338.—WOOLSINGTON.

#### TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Second Place bored at Woolsington, about 300 yards South-west from the First Place.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown clay	Fs.		In. 1	Fs.	Ft.	In	Fs. Ft. In. Fs. Ft. In. Brought forward 5 4 4 16 0 1
Strong clay		3					Black metal, mixed
Gravel and sand, with							with coal or foul
water	0	1	9				coal 0 0 7
Stony clay	3	1	3				5 4 11
Sand	0	1	0				Grey metal, with strong
Stony clay	1	$^{2}$	6				girdles or lumps 0 5 6
Sand, mixed with clay	0	1	6			-	Blue metal 0 0 6
Stony clay	5	1 1 2 1 5	0				COAL 0 7
Mixture whin stone	0	1	1				Brass lump or
Stony clay	2	4	0				scare band 0 1
			1	<b>L6</b>	0	1	COAL 2 6
Grey metal, with gir-							COAL, foul 0 2
dles or lumps	1	3	0		•		Black grey me-
Strong white post,							tal, scared
with water	1						with coal 0 2
Black metal			0				COAL 1 0
Grey and black metal	1	0	0				COAL, hard
Black metal, with a							slaty, with
small mixture of							water 0 6
coal		_	4				0 5 0
Black metal	0	1	0				1 5 0
							Into grey metal 0 0 6
Carried forward	5	4	4	16	0	1	Total 23 4 6
							0.0
							CC

# No. 2,339.—WOOLSINGTON.

#### TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Third Place bored near Woolsington, 300 yards North-west from the Second Place.

Approximate surface level feet above sea (Ordnance datum).

		. In. Fs. F	t. In.					Fs.		
Soil and clay	1 0	9		Brought forward	4	1	4	16	4	0
Gravel	0 1	6		Black grey metal stone,						
	0 1	0		with post girdles and						
Stony clay	15 0	9		water	2	1	0			
<b>J</b>		16	4 0	White post and metal						
Blue grey metal	3 3	6		partings	0	4	0			
Grey metal stone	0 3			Into black grey metal						
Post girdle	0 0	10		and post girdles	1	0	2			
•								8	0	6
Carried forwar	1 4 1	4 16	4 0	Total				24	4	6
							=			

# No. 2,340.—WOOLSINGTON.

TOWNSHIP OF GREAT WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Fourth Place at Woolsington, in the East part of the Narrow Close, about 90 yards from South Boundary.

Soil       0 0 9   9   5   5   5   5   5   5   5   5									
Stony clay     1   0   0   0   7   Stony clay     0   3   0   Stony clay     0   3   0   Stony clay     0   3   0   Stony clay     0   0   2   0   Stony clay     1   0   0   Grey mixed with ramble or broken post     1   0   0   Grey metal, with post girdles     1   0   0   Grey seamy post     2   2   0   Grey rambly stone     0   1   6   Grey rambly stone     0   1   6   Grey rambly stone     0   0   6   Grey rambly stone     0   0   6   Grey post       0   1   3   Grey metal stone, with post girdles       0   1   3   Grey metal stone, with post girdles       0   1   3   Grey metal stone, with post girdles     2   0   0   Grey post       1   3   7   The standard of th		In.							
with water        0       3       0         Stony clay        3       0       9         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand         1       0       0         Stony clay, mixed with sand          1       0       0         Stony clay, mixed with sand           1       0       0         Grey metal, with post girdles        2       2       0       0       0       Grey and blue metal, with some small pieces of black metal near the bottom        1       6       Grey post        0       1       3       6       Grey metal stone, with post girdles        2       0       0       0       3       0       3       0       0       3       0			Brought forward	U	U	17	18	Z	U
with water        0       3       0         Stony clay        3       0       9         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand         1       0       0         Stony clay, mixed with sand          1       0       0         Stony clay, mixed with sand           1       0       0         Grey metal, with post girdles        2       2       0       0       0       Grey and blue metal, with some small pieces of black metal near the bottom        1       6       Grey post        0       1       3       6       Grey metal stone, with post girdles        2       0       0       0       3       0       3       0       0       3       0	Stony clay 1 0 0		Soft grey rambly stone	0	0	7			
with water        0       3       0         Stony clay        3       0       9         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand        0       1       0         Stony clay, mixed with sand         1       0       0         Stony clay, mixed with sand          1       0       0         Stony clay, mixed with sand           1       0       0         Grey metal, with post girdles        2       2       0       0       0       Grey and blue metal, with some small pieces of black metal near the bottom        1       6       Grey post        0       1       3       6       Grey metal stone, with post girdles        2       0       0       0       3       0       3       0       0       3       0	Gravel and channel,		Stony clay	0	<b>2</b>	0			
Stony clay 3 0 9   Stony clay, mixed with sand 0 1 0   Stony clay 12 3 6   Stony clay mixed with clay and some scares of coal 0 1 6   Grey rambly stone 0 2 0   Stony clay with a small mixture of sand 0 0 0 8   Stony clay, with a small mixture of sand 0 0 0 8   Stony clay 0 0 0 8   St	with water 0 3 0		Stony clay, mixed with						
Stony clay 0 1 0   Stony clay 12 3 6   Stony clay 17 3 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 2 0   Grey scamp post 2 1 1 6   Grey post 1 0 0 0   Grey scamp post 2 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 0 0 0   Grey post 1 1 0 0 0   Grey scamp post 2 0 0   Grey post 1 0 1 3   Grey metal, with post girdles 1 0 0 0   Grey scamp post 2 2 0 0   Grey post 1 1 0 0 0   Grey scamp post 1 0 0 0   Grey post 1 1 3   Grey metal, with post girdles 1 1 0 0 0   Grey scamp post 2 2 0 0   Grey post 1 1 3   Grey metal, with post girdles 1 0 0 0   Grey scamp post 2 2 0   Grey post 1 1 3   Grey metal, with post girdles 1 1 0 0 0   Grey scamp post 2 2 0   Grey post 1 1 1 0   Grey scamp post 2 2 0   Grey post 1 1 1 0   Grey scamp post 2 2 0   Grey post 1 1 3   Grey metal, with post girdles 1 1 0 0 0   Grey post 1 1 3   Grey metal, with post girdles 1 1 0 0 0   Grey scamp post 2 2 0   Grey post 1 1 3   Grey metal, with post girdles 1 1 0 0 0   Grey scamp post 2 2 0   Grey post 1 1 3   Grey metal, with some small pieces of black metal 1   Grey metal, with some small pieces of black metal 1   Grey metal, with some small pieces of black metal 1   Grey metal, with some small pieces of black metal 1   G			ramble or broken						
Stony clay 0 1 0   Stony clay 12 3 6   Stony clay 1 0 0 Grey scamp post 2 2 0 Grey and blue metal, with some small pieces of black metal scares of coal 0 1 6 Grey rambly stone 0 2 0 Grey and blue metal, with some small pieces of black metal 0 0 0 6 Grey post 0 1 3 Grey metal, with post girdles 1 0 0 0 Grey scamp post 2 2 0 Grey and blue metal, with some small pieces of black metal 0 1 3 Grey metal stone, with post gridles 2 0 0 Grey post 1 3 7 Grey metal, with post girdles 1 1 0 0 Grey scamp post 2 2 0 Grey scamp post 2 1 3 7 Grey metal, with post girdles 1 1 0 0 0 Grey scamp post 2 2 0 Grey post 1 3 7 Grey metal stone, with post girdles 1 1 6 Grey post 1 3 7 Grey metal stone, with post girdles 1 1 0 0 0 Grey scamp post 1 2 5 10 Grey scamp post 1 2 0 0 Grey post 1 3 7 Grey metal, with post girdles 1 1 0 0 0 Grey scamp post 2 2 0 Grey post 1 1 3 7 Grey metal, with post girdles 1 1 0 0 0 Grey scamp post 2 2 0 Grey and blue metal, with some small pieces of black metal 0 1 3 Grey metal, with post girdles 1 1 0 0 0 Grey scamp post 2 2 0 Grey and blue metal, with some small pieces of black metal 0 1 3 Grey metal, with post girdles 1 1 0 0 0 Grey scamp post 2 2 0 0 Grey post 1 1 3 Grey metal, with post girdles 1 1 6 Grey post 1	Stony clay, mixed with		post	1	0	0			
Stony clay 12 3 6			Grev metal, with post						
Soft black grey rambly metal, mixed with clay and some scares of coal 0 1 6 Grey rambly stone 0 2 0 Black metal 0 0 6 COAL 0 1 0 0 3 Stony clay, with a small mixture of sand 0 0 0 8	Stony clay 12 3 6		1 2	1	0	0			
Soft black grey rambly metal, mixed with clay and some scares of coal 0 1 6 Grey rambly stone 0 2 0 Black metal 0 0 6 COAL 0 1 0 Blue metal 0 0 3 Stony clay, with a small mixture of sand 0 0 8		0			2	0			
bly metal, mixed with clay and some scares of coal 0 1 6 Grey rambly stone 0 2 0 Black metal 0 0 6 COAL 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		•			_				
with clay and some scares of coal 0 1 6 Grey rambly stone 0 2 0 Black metal 0 0 6 COAL 0 1 0 0 3 Grey metal stone, with post girdles 2 0 0 Grey post 1 3 7 Grey metal stone, with a small mixture of sand 0 0 8									
Scares of coal     0   1   6   Grey rambly stone     0   2   0   Black metal       0   1   0   0   5   0   Grey metal stone, with post girdles     2   0   0   0   0   0   0   0   0   0									
Grey rambly stone 0 2 0 Black metal 0 0 6 COAL 0 1 0 Blue metal 0 0 0 3 Stony clay, with a small mixture of sand 0 0 0 8				4	-	c			
Black metal 0 0 6 6 COAL 0 1 0 7 0 5 0 Blue metal 0 0 3 Stony clay, with a small mixture of sand 0 0 8 STONE STO					1	0			
COAL 0 1 0 post girdles 2 0 0 Grey post 1 3 7  Blue metal 0 0 3 Grey post 1 3 7  Stony clay, with a small mixture of sand 0 0 8				U	1	3			
Blue metal 0 0 3 Grey post 1 3 7 Stony clay, with a small mixture of sand 0 0 8				_	_				
Blue metal 0 0 3 Stony clay, with a small mixture of sand 0 0 8	COAL 0 1 0		pest girdles	2					
Stony clay, with a small mixture of sand 008		0	Grey post	1	3	7			
Stony clay, with a small mixture of sand 0 0 8	Blue metal 0 0 3						12	5	10
small mixture of sand 0 0 8	Stony clay, with a						12	U	10
sand 0 0 8									
m1 21 1.10									
Carried forward 0 0 11 18 2 0 Total 31 1 10							-		
	Carried forward 0 0 11 18 2	Λ	Total				31	1	10
	Carried for ward 0 0 11 10 2	J	•		•	=			_

### No. 2,341.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Sunk in the Second Pit, near Woolsington Bridge.

Approximate surface level

feet above sea (Ordnance datum).

Ola				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
	1						Brought forward 2 1 0 16 4 6
	0						Blue stone, which is
Clay	5	4	0				the foundation of
Sand (no water)	0	1	6				the dam 0 3 6
Clay	5	1	6				Black'stone 4 3 0
•				12	3	0	White clay parting 0 0 3
White post, with whin	2	5				•	Blue stone 0 2 6
Grey girdle post							
Blue stone							COAL, foul 0 2 3
COAL, foul	0	O	6				Black stone, mixed
				4	1	Ģ	with catheads 0 5 10
Black thill	0	1	0				Strong blue stone 0 0 8
Grey girdles, with							COAL 0 5 0
water	2	0	0				1 5 6
Carried forward	2	1	0	16	4	6	Total 26 4 6

# No. 2,342.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

Long.

Bored on Wylam Common, North from the Town about 350 yards. 1750.

Approximate surface level feet

feet above sea (Ordnance datum).

Soil Stony clay	0		0	Fs.	Ft.	In.	Brought forward 0 3 9 14 0 5 Grey metal, with gir-
Strong white post gir-	0		v				dles or lumps 1 3 4
dles, metal partings,							White post 0 5 0
and a small siping							Grey and black metal,
of water	3	0	0				with post girdles 0 5 0
White post, mixed		_	_				Ft. In.
with whin	0	2	0				COAL 1 2
with whin White post Grey metal	1	3	6				Metal or scare
Grey metal	0	0	3				band 0 1
COAL	0	0	8				COAL 0 4
				14	0	5	COAL, foul 0 2
Blue and grey metal	0	3	0				COAL 1 9
Strong brown and dun							0 3 6
open post, with water	0	0	9				4 2 7
· F · · · F · · · · · · · · · · · · · ·							Grey metal 0 0 4
Carried forward	0	3	9	14	0	5	Total 18 3 4
Carried 101 ward	9	3	v		Ü	,	

# No. 2,343.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second Hole on the Common, about 200 yards North of the Town. 1750.

Approximate surface level - feet above sea (Ordnance datum).

										-
			Fs. Ft. In.					Fs.	Ft	In.
9	0	0	į	Brought forward	17	3	6			
0	0	6		Grey metal	0	1	0			
0	1	0						17	5	2
			-	Grey metal, with cat-						
1	3	0		heads	1	3	0			
0	3	0		Open brown post, with						
					0	1	0			
1	2	0		Grev and blue metal,						
					1	0	0			
1	0	0								
3	2	0			0	3	7			
			/ / /					3	5	5
0	2	6.		Into grey metal				ŏ	ŏ	6
		_	,	mostar m				_		
17	3	6		Total				21	5	1
_,		-	ı	20001			=	==		=
	9 0 0 1 0 1 1 0 3	9 0 0 0 0 1 1 3 0 3 1 2 1 0 0 1 3 2 0 2	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 6 0 1 0 1 3 0 0 3 0 1 2 0 1 0 0 0 1 6 3 2 0 0 2 6	Brought forward   Grey metal   COAL   Brought forward 17 Grey metal 0 COAL 0 COAL 0 Grey metal, with catheads 1 Open brown post, with water 0 White and grey post 0 Grey and blue metal, with post girdles 1 Blue and black metal 0 COAL, with some small scare bands 0 Into grey metal	Brought forward 17 3 Grey metal 0 1 COAL 0 0  Grey metal, with catheads 1 3 Open brown post, with water 0 1 White and grey post 0 3 Grey and blue metal, with post girdles 1 0 Blue and black metal 0 0 COAL, with some small scare bands 0 3  Into grey metal	Brought forward 17 3 6 Grey metal 0 1 0 COAL 0 0 8 Grey metal, with catheads 1 3 0 Open brown post, with water 0 1 0 White and grey post 0 3 0 Grey and blue metal, with post girdles 1 0 0 Blue and black metal 0 0 10 COAL, with some small scare bands 0 3 7 Into grey metal	Brought forward 17 3 6 Grey metal 0 1 0 COAL 0 0 8  Grey metal, with catheads 1 3 0 Open brown post, with water 0 1 0 White and grey post 0 3 0 Grey and blue metal, with post girdles 1 0 0 Blue and black metal 0 0 10 COAL, with some small scare bands 0 3 7 Into grey metal 0	Brought forward 17 3 6 Grey metal 0 1 0 COAL 0 0 8  Grey metal, with catheads 1 3 0 Open brown post, with water 0 1 0 White and grey post 0 3 0 Grey and blue metal, with post girdles 1 0 0 Blue and black metal 0 0 10 COAL, with some small scare bands 0 3 7 Into grey metal 0 3 7 Into grey metal 0 0	

### No. 2,344.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Bored at Wylam, about 50 yards North-east from the Ford. First Hole. By Mr. J. Rawling.

Soil and gravel Fs. Ft. In. Fs. Ft. In.	Brought forward 2 4 9
Brown and grey post, with red rambly parting 2 0 0 COAL, soft loose slaty, with water 0 1 0	COAL, soft . 2 0 Grey metal, scared with coal 0 4
Carried forward 2 4 9	COAL 3 0

# No. 2,344.—WYLAM.—CONTINUED.

	e. I	't. ]	[n. ]				D 1.4	Fs.	Ft.	In.			
Brought forward	^	9	^	3	4	1	Brought forward				15	<b>2</b>	<b>2</b>
	0	$\frac{3}{5}$	0				Blue and black metal,	_	_	_			
****	0	9	0				with post girdles			0			
Whin		0	9				Blue and black metal	2	0	0			
White post	Ų i	3 3 1	0				Open white post, with						
Grey metal	0	3	8				water	0	4	6			
COAL	0	1	4				White and grey post	1		4			
-		_	_	$^{2}$	4	9	Blue metal	0	2	0			
	0	3	0	4			COAL, with water	0	3	7			
White post, with scamy											6	0	5
partings and water	3	1	0				Grey metal	0	2	0			
Ft. In.							Grey post, with water	0	ī	6			
COAL 0 10							Grey metal	ĭ		ő			
Black danty							White post, with water	0		6			
metal 0 3							Blue metal	0		e			
COAL 0 9							Black metal, scared	U	т	O			
	0	1	10					0	1	0			
<u>-</u>				3	5	10		-	1	-			
Black and blue metal	1	0	0				COAL, foul			4 8			
Grey post, with metal			•				COAL; with water	0	3	8		,	0
	2	3	0								3	1	6
White and grey open	_	•	•				Grey metal thill			~	O	0	5
	1	2	0										
		ō	6										
		0		1	5	6							
				-		0							
Carried forw	ard			 15	2		Total				94	A	
Carried 101 W	aru			τŋ	4	4	Total		•••	=	24	4	_6

### No. 2,345.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

Long.

Account of the Boring in the Elliot Pit, at Wylam Colliery, from the Six-quarter Coal Seam. July 17th, 1763.

	Fs.	Ft.	In.	Fs. Ft. In.					Fs. Ft. In.
Loose rubbish	1	4	0		Brought forward	5	4	6	
Grey post	1	2	0		Strong grey scamy				
Mixture whin	0	2	0		stone	0	4	7	
Blue grey metal stone	1	<b>2</b>	6		· Whin	0	1	0	
Black stone, with hard					Grey metal stone	0	4	6	
girdles or lumps	1	0	0		COAL, with water	0	<b>2</b>	7	
-								_	
Carried forward	5	4	6		Carried forward	7	5	2	

# No. 2,345.—WYLAM.—CONTINUED.

7	5	2				D		In,
		_					1	0
^	_	0				Grey and blue metal 1 = 0 0		
_	0	2				White post 1 1 0		
0	1	2	_	_	_			
			8	O	6			
		_				and post girdles 1 5 0		
1	5	6				White post 3 1 6		
						Grey metal stone 0 4 3		
0	1	6				COAL, with water 0 1 4		
0	0	4					2	4
			<b>2</b>	4	4			-10
						Grey post, with mix-		
1	5	Q						
	J	G				Grev metal stone 0 3 9		
						Into grey post 0 0 9		
						.,	_	^
						<del></del> 0	U	U
						•		
	_							
0	2	6	_	_	_			
		_	2	2	2	•		
war	d		13	1	0	Total 26	4	4
	1 0 0	1 5 0 3 0 1 0 0 0 1 5	1 5 6 0 3 0 0 1 6 0 0 4 1 5 8	0 1 2 1 5 6 0 3 0 0 1 6 0 0 4 2 1 5 8	0 1 2 	0 1 2 1 5 6 0 3 0 0 1 6 0 0 4 1 5 8	Whin 0 2 3 Grey and blue metal and post girdles 1 5 0 White post 3 1 6 Grey metal stone 0 4 3 COAL, with water 0 1 4  Grey post, with mixture whin girdles 4 1 6 Grey metal stone 0 3 9 Into grey post 0 0 9   O 2 6  O 2 6  O 2 2 2	Whin 0 2 3 Grey and blue metal and post girdles 1 5 0 White post 3 1 6 Grey metal stone 0 4 3 COAL, with water 0 1 4  Grey metal stone 0 1 4  Grey metal stone 0 3 9 Into grey post 0 0 9  O 2 6  O 2 6  O 2 6

# No. 2,346.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Bored in the Margery Pit, at Wylam Colliery, from the Six-quarter Coal Seam. August 31st, 1763.

Box	0	2	3	 Ft. I	n.	Brought forward 4 4 10	. In.
Grey metal stone	0	0	6		ł	Grey metal stone 0 4 2	
Grey metal stone Grey post	0	5	0			Ft. In.	
Strong white post,					- 1	COAL 1 9	
mixed with whin	0	3	0		- 1	Black grey me-	
Whin	0	0	10			tal 0 2	
White post, with water	0	1	4			COAL 0 8	
Grey metal					İ	COAL, splinty 0 2	
Black stone, with gir-						0 2 9	
dles and water	0	4	9			5 5	9
Grey metal stone, with						Grey metal 0 0 6	
girdles	0	3	8			Grey metal 0 0 6 Into grey post 0 2 0	
Whin	0	0	6			0 2 0 2	6
					1		
Carried forward	4	4	10			Total 6 2	3

# No. 2,347.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Boring in the Hedge Pit, at Wylam Colliery, from the Five-quarter Coal Seam. September 18th, 1763.

Approximate surface level	feet above sea (	Ordnance datum).
---------------------------	------------------	------------------

			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Box							Brought forward 3 4 5 3 1
Grey metal	0	3	0				Black slaty stone, with
Grey post		3	9				water at bottom 1 0 0
Grey metal, with gir-							Grey metal stone, with
dles	1	9	2				nost girdles 1 2 0
		2	o				post girdles 1 3 0 Blue grey metal 0 1 0
COAL (by the men's	_	_	_				blue grey metal 0 1 0
account)	U	3	U			_	Ft. In.
				3	1	6	COAL, splinty,
Grey metal, with gir-							with water 1 0
dles	0	4	10				COAL 1 6
Strong white post							Black slaty
^	_		10				metal, mixed
		v	10				
White gullety post,			_				with coal 0 5
with water		3	0				COAL 0 8
Grey metal stone, with							0 3 7
hard girdles	0	2	6				7 0 0
							Into grey metal 0 0
~	_	_,	5	_	1	_	Total 10 1
Carried forward	3			3			Total 10 1 5

### No. 2,348.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Boring at Wylam, to the North-east from the Hall about 500 yards.

August 14th, 1766.

Soil Fs. Ft. In. Fs. Ft. In. Soil	Brought forward 1 3 0 4 0 0
Strong clay 3 0 0 Gravel, with a mixture	Blue metal, with girdles 0 4 0
of clay and water $0  ext{ } 4  ext{ } 6$	COAL 2 0
Soft black metal ramble 1 1 6	Blue metal 0 6 COAL 0 8
Black stone 0 1 6	$ 0 3 2 \\ 2 4 2$
Carried forward 1 3 0 4 0 0	Carried forward 6 4 2

#### No. 2,348.—WYLAM.—CONTINUED.

Brought forward	Fs.	Ft.	In,	Fs 6		In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 0 12 1 6
Blue grey metal stone	5	2	4		_	_	COAL 0 2 5
COAL	0	1	_0	5	3	4	COAL, coarse splinty 0 1 0
Grey metal stone	3	2	0	Ü	-	-	Into grey metal stone.
Black stone	-0	2	0				
Carried forward	3	4	0	12	1	6	Total <u>16 2 11</u>

#### No. 2,349.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

First Hole, bored in the Andrew Pit, at Wylam Colliery, from the Thill of the Yard Coal Seam. May 1st, 1776.

Approximate surface level feet above sea (Ordnance datum).

Grey post girdles Blue metal stone Grey post girdles	0 0 1 2 0	0 0 1 0 4	7 10 0 0 0	Fs. Ft. In.	Brought forward 4 4 8 8 Ft. In. Fs. Ft. In. COAL, good 2 7 Splint 0 3 0 2 10
Blue metal stone	0	4	3		5 1 6
Carried forward	4	4	8		Total <u>5 1 6</u>

### No. 2,350.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second Hole, bored in the Primrose Pit from the Yard Coal Seam. May 17th, 1776.

Blue metal White metal Blue grey metal, with water Grey metal, with post girdles	0 0 2	0 0 2	6 6 0	Fs. Ft.	In.	Broug White pos Blue grey COAL	metal	 4 1 3	0	$\begin{array}{c} 6 \\ 0 \\ 0 \end{array}$		Ft.	
Carried forward							Total				9	1	2

#### No. 2,351.—WYLAM.

### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Third Hole, bored in the Endeavour Pit, Wylam Colliery, from the Thill of the Yard Coal Seam. May, 1776.

Approximate surface level

feet above sea (Ordnance datum).

Blue grey metal Grey metal, with coal				Fs. Ft. In.	Brought forward 9 3 6
pipes Blue grey metal	4	5	0		COAL 2 11 COAL, splint 0 5
White post Blue grey metal					0 3 4 10 0 10
Carried forward	9	3	6		Total 10 0 10

#### No. 2,352.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Boring from Brockwell Seam (supposed Denton Low Main or Horsley Wood Seam) in the Prosperous Pit, Wylam Colliery. March, 1814.

Approximate surface level

feet above sea (Ordnance datum).

		Fs.		In.	Fs.	Ft.	In.	Fs. Ft. Iu: Fs. Ft. In.
Grey post		1	0	0				Brought forward 7 1 0 4 3 7
T31 1		0	1	-0				Blue stone, with girdles 1 3 0
White post		1	4	0				Strong white post 2 0 3
Blue stone		0	0	10				White cashy parting 0 1 8
XX71.:44		0	0	10				Strong post 2 4 4
TD: .		0	2	0				Blue stone 0 0 8
D4 -2-31-		0	0	4				COAL 0 0 10
731		1	0	1				13 5 9
COAL		0	0	6				Thill 0 1 10
					4	3	7	Strong grey post 3 1 7
Strong white	post	5	2	7				Whin 0 3 4
*****		0	2	0				4 0 9
D4		1	<b>2</b>	5				
		_						
Carried f	orward	7	1	0	4	3	7	Total 22 4 1

# No. 2,353.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

 $Strata\ bored\ through\ near\ the\ Railway,\ opposite\ the\ Haugh\ Pit,\ Wylam\ Colliery.$ 

Black metal stone Grey metal stone COAL, with water Grey metal stone Brown post, with	1 2 0	0 3 1	10½ 2½ 8		Ft.	In. 9	Brought forward S Blue metal stone ( Blue metal stone ( Blue metal stone ( Brown post girdles ( Blue metal stone (	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 0 2 0	1 4 2 1 3	Fs. 3		
partings White post, with							COAL, splint 0 8						
partings Blue metal stone	0	0	0				COAL, good 6 10	1	1	6	_	•	_
White post, with partings	0	1	9							_	5	3	5
Carried forward	2	4	1	3	5	9	Total				9	3	2

# INDEX.

N.B.-Names of Coal Seams and other beds are in italic. The same name often applies, according to locality, to more than one Seam.

A Pit, Wallsend Colliery, 51. A Pit, Whitley Colliery, 123. A Pit, Whitwell Colliery, 132-135. A Pit, Wideopen Colliery, 155. Air Shaft, Busty Bank, Urpeth Colliery, 11. Air Shaft, Widdrington Colliery, 153. Andrew Pit, Wylam Colliery, 232. Augus's Farm House, White Lee, 115.

B Pit, Whitwell Colliery, 135. B Pit, Wideopen Colliery, 155. B Pit, Willington Colliery, 164. B Seam, 223. Ballarat Seam, 223. Barnard Castle, Road from Wolsingham, Beaumont Scam, 52, 75, 109, 188. Bensham Seam, 50, 51, 54, 57, 156, 169. Billy Row, 113-115, 219, 220. Big Pit, White Lee Colliery, 114.

Bishop Auckland, 213.

Bishop Auckland and Weardale Railway Bridge, Witton-le-Wear, 202. Black Plantation, Whitworth, 143. Blackbarn, near St. John's, 205. Bolckow Pit, New White Lee Colliery, 115. Bottom Seam, 4. Bought Leases, Wallington, 59, 60. Boundary House, Willington, 170. Brancepeth, 222-224.

Brass Thill Seam, 9, 35, 36, 38, 100, 132. Brockwell Seam, 15, 32, 104, 113, 114, 115, 143, 144, 146, 179, 217, 218, 223, 233. Brockwell Seam, Bored below, 114, 115, 144, 179, 218, 233. Broom, 13-15. Broomy Hill Close, Winlaton, 188. Burn Side, Waldridge, 33, 34, Burn's House, Washington, 70. Burton Beck Road, from Tudhoe, 143. Busty Bank Air Shaft, Urpeth Colliery, 11. Busty Bank Seam, 13, 15, 36, 38, 88, 101, 102, 104, 108, 144, 178, 217, 223. Butterlaw Farm, Walbottle, 28, 30.

Byers Green Railway, 142.

C Pit, Washington Colliery, 71. C Pit. Whitwell Colliery, 137. C or Gas Pit, Wallsend Colliery, 53. Cabin Gate Field, Woodhouse Close, 215. Campbell's North Field, Whitley, 121. Cannel Coal, 25, 121, 201. Carlisle Road, Five Mile Stone, 22. Casebourne & Co., Cement Works, West Hartlepool, 89. Cement Works, Warren. Hartlepool, 90.

Cellulose Works, West Hartlepool, 90. Cement Works. West Hartlepool, 89. Charlotte Pit, Walker Colliery, 49. Charlton's (Martin) Pit, Whitworth Colliery, 141. Chaytor, Sir William, Witton Park, 194.

Chester Burn, Whittle, 130. Chester-le-Street, Low Urpeth, 10. Chester South Moor, 34. Chester South Moor, Fan Pit, 37. Chopwell Hall, 112. Chopwell Lordship, 112. Church, G or George Pit, Wallsend Col-

liery, 56. Copperas House, Willington Quay, 174. Cornsay Road to Wolsingham, 204. Coronation Pit, Walbottle Colliery, 30. Corving Pit, Witton Park Colliery, 192. Crawdon or Crawden Hill Farm, 3. Crook and Billy Row, 113—115, 219, 220. Crook, Wheatbottom, 105.

D Pit, Urpeth Colliery, 9. Dam Head, Woodhouse Close, 218. Denton Low Main Seam, 233. Draw Well Staple, Walker Town, 45. Durham Road, Waldridge, 34.

East Pit, Walker Colliery, 46. East Pit, Wallsend Colliery, 54. East Wideopen, 154. Edmondsley, 97, 98. Edward Pit. Willington Colliery, 168. Elliott Pit, Wylam Colliery, 229. Elliot's Staple, Wallington, 60. Endeavour Pit, Wylam Colliery, 233.

236 INDEX.

Engine Field, Washington, 68.
Engine Link Pit, Whitley Colliery, 125.
Engine Pit, Urpeth Colliery, 8.
Engine Pit, Walker Colliery, Staple near, 42.
Engine Pit, West Hetton Colliery, 91.
Engine Pit, West Pelton Colliery, 97.
Engine Pit, Westerton Colliery, 95.
Engine Pit, Whitley Colliery, 124.
Engine or North Pit, Woodhouse Close Colliery, 210, 215, 217.
Engine Seam, 25, 27, 31.
Evenwood, Footpath, 85.

F Pit, Wallsend Colliery, 55.
Fan Pit, Chester South Moor, 37.
Feathercock, Whickham, 110.
Ferney Beds or Ulgham Colliery, 4.
Fire Feet Coal Seam, 119.
Five Mile Stone, Carlisle Road, 22.
Fire Quarter Seam, 7, 8, 9, 12, 50, 64, 68, 91, 94?, 95, 96, 97, 98, 100, 103, 107, 112, 113, 114, 138, 158, 159, 160?, 161?, 165, 169, 180, 181, 193, 219, 220, 221, 223, 231.
Float Gap, Walker, 40.
Fortune Pit, Walker Colliery, 42.
Four Lane Ends, Ushaw Moor, 14.
Fox's Property, South Wingate, 184.

G Pit, Washington Colliery, 72.
G, George or Church Pit, Wallsend Colliery, 56.
Gamekeeper's Cottage, Low Urpeth, 10.
Garesfield Ground, Winlaton Lordship, 186.
Gas or C Pit, Wallsend Colliery, 53.
Gas-works, Warkworth, 65.
Gaunless River, 84.
George or Church Pit, Wallsend Colliery, 56.
Gin Horse Stables, Walbottle, 23.
Great Whittington, 130.
Green's Freehold, Wallsend, 54.
Grove Seam, 26, 31.

H Pit, Washington Colliery, 73.
Handen Hold, West Pelton Colliery, 98.
Half-way House, Shields Road, 165.
Harbour Office. Warkworth, 65.
Hartlepool, 90.
Hartley Boundary, Whitley, 118.
Haugh Pit, Wylam Colliery, 234.
Harrey Seam, 15, 38, 108, 144, 178, 182, 183.
Hazel Cross, Waldridge, 33.
Hedge Pit, Wylam Colliery, 231.
Helmington, 157—161.
Helmington Row, 104, 105, 162—164.
Heworth, 62, 116.
Hexham, Warden near, 61.
High Blacktens, West Auckland, 80.
High Main Coal Seam, 42, 47, 49, 51, 53, 54, 55, 57, 63, 72?, 73, 114, 126, 138, 155, 156, 169, 172, 173, 174.

High Wooley Farm House, 223.

\*\*Modge Seam\*, 25, 27, 31, 103.

Hobson's Hind's House, Ushaw Moor, 13.

\*\*Morsley Wood Seam\*, 233?\*.

Houndalee Farm House, Widdrington, 148.

Huddlestone, near Tynemouth, 122.

Hudson's House, Whitley, 119, 121.

Hunwick, 157.

Hunwick Lane, 161.

Hunwick and Helmington, 157—161.

Hutton Henry, 184, 185.

\*\*Mutton Seam\*, 7, 8, 9, 10, 11, 12, 20, 21, 34, 35, 37, 38, 64, 75, 97, 99, 100, 101, 103, 106?, 108, 132, 134, 136, 138, 139, 144, 170, 178, 181, 183, 190.

I Pit, Washington Colliery, 74. Ice House, Wallington, 60, 61.

Jane Pit, Walker Colliery, 47. Jet Coal, 111. John Pit, Whitefield Colliery, 112. Jobs Hill Gate, near Crook, 162.

Kettledrum Pit, West Stanley Colliery, 99, 100. King Pit, Walker Colliery, 48.

Lady Pit, Wingate Grange Colliery, 180.

Lamp Pit, West Stanley Colliery, 101.
Leadbitter, Nicholas, property at Warden, 61.
Leather Mill, Urpeth Burn, 4.
Link Cottages, Warkworth, 66.
Link Pit (Engine), Whitley Colliery, 125.
Linton Lane, Ulgham, 1.
Little Pit, White Lea Colliery, 113.
Little Pit, Winlaton, 187.
Lord Pit, Wingate Grange Colliery, 180.
Low Main Drift, Urpeth Colliery, 11.
Low Main Seam, 7, 8, 9, 12, 20, 35, 36, 37, 50, 52, 74, 75, 92, 93, 97, 100, 103, 106 ?, 108, 117, 122, 123, 124, 125, 132, 136, 138, 181, 183.
Low Main Staple, Wingate Pit, 182.

Low Urpeth, 10.

Low Wood, Whittle, 130.

Lowes' Field Yard, Whitwell West House, 137.

Lyun's Eastermost Meadow Field, Urpeth, 6.

McNoel, Donald, Witton Park, 200.

Main Coal Seam, 7, 8, 9, 12, 19, 26, 27, 32, 34, 36, 44, 68, 71, 75, 94, 96, 97, 98, 100, 103, 106?, 108, 119, 135, 158, 160?, 164, 180, 181, 193, 195, 211, 213, 217, 220, 221.

Main Post, 173.

Margery Pit, Wylam Colliery, 230.

Martin Charleton's Pit, Whitworth Colliery, 141.

Mary Pit, West Stanley Colliery, 102.

Maudlin Seam, 7, 8, 9, 12, 35, 36, 64, 73, 97, 99, 100, 103, 153.

Medomsley, 103.
Metal Coal Seam, 50, 51, 54, 57, 74.
Mill Dam Corner, Walbottle, 23.
Mitchell's Field, Whitley, 122.
Monk House, Whitley, 117.
Monkseaton Royalty, Whitley Colliery, 126.
Moor House, Widdrington, 151.
Mown Meadows, Woodifield Colliery, 220.

Narrow Close, Woolsington, 226.
Nether Warden, 61.
New Pit, Urpeth Colliery, 8.
New Pit, Walker Colliery, 47.
New Pit, Whitworth Colliery, 145.
New Washington Colliery, 74, 75.
New White Lee Colliery, 115.
New Winning, Shiremoor, 171.
Newburn Winning, Walbottle, 26.
Neweastle Corporation, Walker, 39.
Neweastle and Berwick Railway, 1.
North Eastern Railway, 3.
North Field, West Auckland, 76.
North willington, 158.
North or Engine Pit, Woodhouse Close Colliery, 210.

Old Landsale Pit, Woodifield Colliery. 219. Old Moor Royalty, 3. Old Park Wall, Witton Park, 197. Old Pit, Washington, 69. Old South Engine Plane, North Pit, Woodhouse Close Colliery, 217. Old Tower, Whittingham. 129. Old Winning, near Whitridge, 128. Ox Close House, Washington, 67.

Pearson's, Wright, and Todd, Wolsingham, 204. 205. Pease's West Wooley Colliery, 222—224. Pelton, 98. Primrose Pit, Wylam Colliery, 232. Prosperous Pit, Wylam Colliery, 233. Pumping-Engine Pit, West Auckland Colliery, 85.

Quarrington, 91, 92. Quarry Field, Witton Park, 195, 197.

Railway Bridge over River Wear, 162. Railway Bridge, Witton-le-Wear, 202. Railway Metal Bridge, West Auckland, 84. Red Cow Public House, Walbottle Colliery, 28. Richard Pit, Willington Colliery, 173. River Gaunless. 84. River Wear. 161, 162, 202, 203. Robson's Close, Walbottle, 21. Royal Oak, West Auckland, 87.

Rye Hill Pit, Whittle, 131.

St. Andrew's Auckland, 210-212, 214-St. Helen's Auckland, 81-84, 86, 209. St. John's, Blackbarn, 205. Second Deep Hole, Whitworth, 142. Second Pit, Woolsington, 227. Seventy Fathoms Post, 173. Seventy Fathoms Seam, 174. Shaw's Ground, Usworth, 17. Shield Row Seam, 100, 102. Shiremoor New Engine, 171. Sinking Pit, near Boundary House, Willington Colliery, 170. Six Feet Staple. Handen Hold, West Pelton Colliery, 98. Six Quarter Seam, 50, 229, 230. Sleights House, Witton Gilbert, 189. South Boundary, Woolsington, 226. South Pit, Woodhouse Close Colliery, 212, 214.South Willington, 157. South Wingate Colliery, 184, 185. Spearman's White Lee Colliery, 113. Spennymoor Close, Washington, 74. Splint Seam, 26, 27. Sunnybrow House, Willington, 161. 162. Sunnybrow Farm House, Willington, 160. Staindrop Field House, West Auckland, 88. Staple, near Engine Pit, Walker Colliery, 42. Stone Coal Seam, 50, 51, 57. 110. Stone Horse Park, Witton Park, 190, Stotts Pow Dene, Walker, 39, 41. Stranton, 89, 90.

Tanfield, 99—102.
Third Deep Hole, Whitworth, 143.
Thristleflatt Owners, Wheatbottom, 105.
Thornley, 107.
Three Quarter Scam, 25, 27, 32, 56, 69, 104, 107, 180, 181, 223.
Tilley Scam, 104.
Tindale Colliery, 209.
Top Scam, 4.
Towlay Hill, Wolsingham, 204.
Town Field, West Auckland, 80.
Towneley Scam, 13, 103, 188.
Tudhoe, Road to Burton Beck, 143.
Tynemouth, Huddlestone, 122.

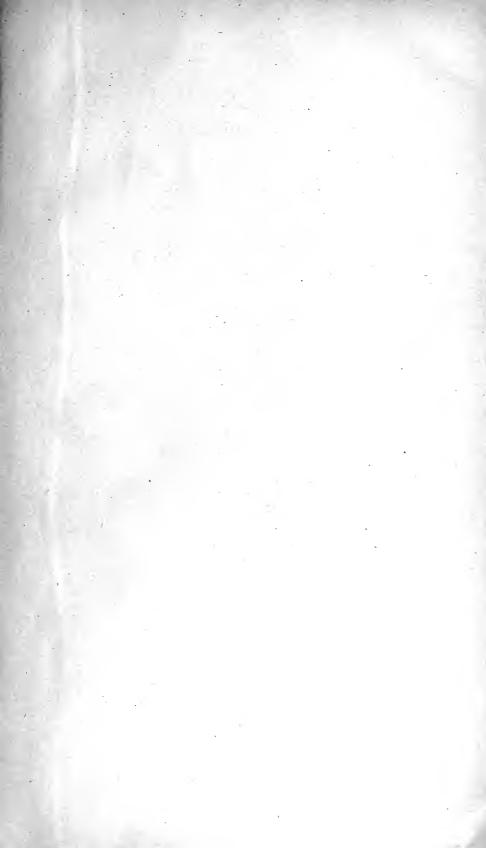
Ulgham Colliery, 1—4.
Ulgham Grange, 1—4.
Union Pit, Walbottle Colliery, 25.
Urpeth Burn, 4.
Urpeth Colliery, 4—13.
Urpeth Ford, 5.
Ushaw College, 14.
Ushaw Moor Colliery, 13—15.
Usworth Colliery, 16—20.
Usworth Place, 16, 17.

Victoria Scam, 179.

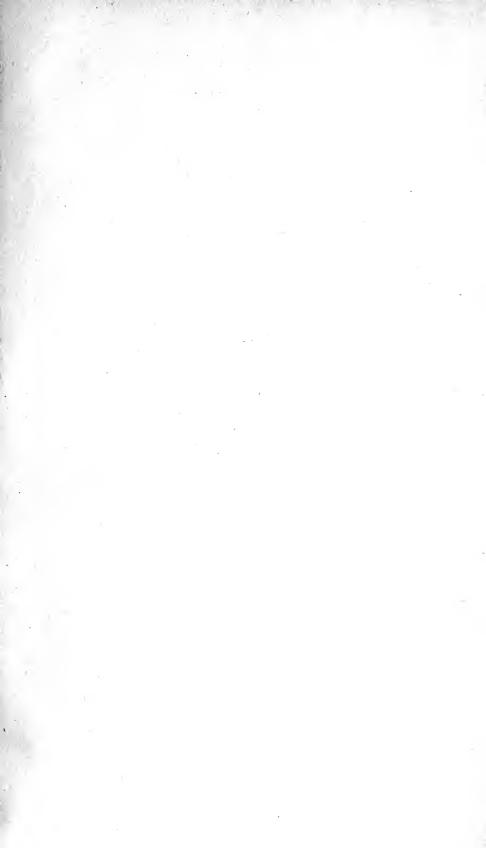
Walbottle Colliery, 21-32. Waldridge Colliery, 33-37. Waldridge Common, 33, 34. Waldridge Fell Colliery, 36. Wallington, 58-61. Wallington Hall Stables, 58. Wallsend Colliery, 51-56. Wallsend Pit, Windleston, West Auckland Colliery, 86. Walker Colliery, 39-49. Walker Town, Draw Well Staple, 45. Walker Town, Well, 40. Warcombe, Walker, 42. Warden, 61. Wardley Colliery, 62. Warkworth, 65, 66. Warren Cement Works, Hartlepool, 90. Washington Colliery, 67-75. Washington Common, 70. Wear River, 161, 162, 202, 203. Weardale and Bishop Auekland Railway Bridge, Witton-le-Wear, 202. Weetslade, 154, 155. Wellington Pit, Walbottle Colliery, 26. West Anekland, 210. West Auckland Colliery, 76-88. West Durham Railway Bridge, 162. West Hartlepool, 89, 90. West Hetton Colliery, 91, 92. West Mill Dam, Woodhouse Close, 213. West Pelton Colliery, 97, 98. West Plantation, Wallington, 58. West Stanley Colliery, 99-102. Westerton Colliery, 92-96. Westwood Winning, 103. Wheat Bottom, 104, 105. Wheatley Green Estate. 106. Wheatley Hill Colliery, 107. Whickham Colliery, 109, 110. Whickham Fell, 110. White Lee Colliery, 113—115. White Mare Pool, 116. White Mare Pool, Wardley Colliery, 62. Whitefield Colliery, 112. Whitley Colliery, 117-126. Whitley Links, 118.
Whitley Park, 118, 120, 124, 126.
Whitridge, 127, 128.
Whitridge, Old Winning, 128.

Whittingham, 129. Whittington, 130. Whittle, 130, 131. Whitwell Colliery, 132--139. Whitwell Grange, 139. Whitwell House, 132-139. Whitwell West House, 137. Whitworth Colliery, 140—147. Whitworth Park, 140. Whitworth Park Pit, Whitworth Collicry, 144. Widdrington Castle, 152. Widdrington Colliery, 148—158. Widdrington Park, 148. Wideopen Colliery, 154, 155. Wilkinson, G., Woodifield Colliery, 220. William Pit, Witton Park Colliery, 193. Willington Burn, 158, 176. Willington Colliery, Durham, 157-164. Willington Colliery, Northumberland, 165. Willington Quay, 174. Windleston Colliery, 177. Windleston Wallsend Pit, West Auckland Colliery, 86. Wingate Grange Colliery, 180—183. Wingate Pit, Wingate Grange Colliery, 182.Winlaton Lordship, 186. Witton Castle, 190, 191, 192. Witton Gilbert, Sleight's House, 189. Witton Park Colliery, 190—202. Witton-le-Wear. 190-203. Wolsingham, 204, 205. Wolsingham, Road from Cornsay, 204. Woodhorn, 205—208. Woodhouse Colliery, 209. Woodhouse Close Colliery, 210-218. Woodifield Colliery, 219, 220. Woodland Colliery, 221. Wooley Colliery, 222--224. Woolsington, 224—227. Woolsington Bridge, 227. Wright's (Mrs.) House, Whitley, 119. Wylam Colliery, 227-234. Wylam Common, 227—228. Wylam Ford, 228.

Yard Coal Seam, 50, 51, 57, 83, 124, 169, 206?, 207?, 209, 211, 212, 232, 233.









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